2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District

Ash Slough Drop Structure No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	М
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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Flood Control Project Maintenance

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Ash Slough Drop Structure No. 2

Overall

Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	М
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	М
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Ash Slough Drop Structure No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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Flood Control Project Maintenance

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Ash Slough Drop Structure No. 4

Overall Un

nit Rating	Rated Item	Item Rating
1	Photo Documentation	N
<u>,</u>	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	М
	Encroachments	М
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Bear Creek Diversion Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	А
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	А
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	Α
	Manual Gate Operators	Α
	Concrete Surfaces	М
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	Α
	Manual Gate Operators	Α
	Concrete Surfaces	А
	Concrete Tilting / Settlement	А
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	А
	Monolith Joints	А
	Safety	М
	Operation & Maintenance Manual	А

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Drop Structure No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	М
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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Flood Control Project Maintenance

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Drop Structure No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	А
	Concrete Tilting / Settlement	А
	Concrete Foundations	А
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	М
	Safety	Α
	Operation & Maintenance Manual	А

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Fresno River Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	А
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	Α
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	М
	Monolith Joints	А
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Mariposa Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	А
	Culverts: Inlets / Outlets	А
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	Α
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	A
	Manual Gate Operators	M
	Concrete Surfaces	А
	Concrete Tilting / Settlement	А
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	А
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Mariposa Bypass Drop Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Owens Creek Control Structure

Overal

I Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	М
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	М
	Concrete Tilting / Settlement	М
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	М
	Safety	Α
	Operation & Maintenance Manual	Α

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2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Owens Creek Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

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2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

San Joaquin River And Chowchilla Canal Bypass Control Structure

rall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	Α
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	Α
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

San Joaquin River Structure And Sand Slough Structure

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	М
	Concrete Surfaces	М
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	М
	Safety	Α
	Operation & Maintenance Manual	Α

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Ash Slough Drop Structure No. 1	

Structure Rating	Α
Date of Inspection	08/06/2014
DWR Inspector	Richard Willoughby
Accompanied By	

NA0010

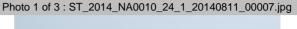
Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

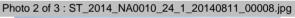
LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined						le/Longitude
Calegory	Channels		Start		End	
Item	Photo Documentation		37.03395	2 °	37.033952 °	
item				-120.44173	3°	-120.441733 °
DWR ID	DWR_NA0010_24_t _ 2012_1					
Action/Comments						





Looking east at overview of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Looking south at upstream side of structure.

Photo 3 of 3: ST_2014_NA0010_24_1_20140811_00009.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking south at base of structure.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			ined GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Itom	Vegetation & Obstructions			37.03395	2 °	37.033952	0
пеш				-120.44173	3°	-120.441733	0
DWR ID	DWR_NA0010_24_t _ 2012_2						
Action/Comments							
Inspector	Inspector Comments: No vegetation or obstructions that would impede						

No Photos

							_
LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Itom	Shoaling / Sedimentation			37.03395	52 °	37.033952	o
item				-120.44173	33 °	-120.441733	o
DWR ID	DWR_NA0	2_3					
Action/Comments							
Inspector (: No sedimening.	tation or	shoaling vis	sible	that would	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		4		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels	hannels			Start			
Item	Erosion / Bank Caving			37.0339	52 °	37.033952	0	
Item				-120.4417	33 °	-120.441733	0	
DWR ID	DWR_NA0	010_24_t _ 201	2_4					
	Action/Comments							
Inspector	Comments	: No visible e	rosion.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	nannels			End	
Item	Revetments			37.0339	52 °	37.033952 °
пеш			-120.4417	33 °	-120.441733 °	
DWR ID	DWR_NA0	010_24_t _ 201	2_5			
Action/Comments						
Inspector (Comments	: Riprap displ	acement	on the dov	vnstr	eam and

upstream side should be maintained.



Looking at downstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroachments			37.0339	52 °	37.033952 °	
item				-120.4417	33 °	-120.441733 °	
DWR ID	DWR_NA0	010_24_t _ 201	2_6				
Action/Comments							
Inspector (Comments	: No visible e	ncroachr	ment.			

No Photos

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item	Culverts: Inlets / Outlets			37.0339	52 °	37.033952	0
пеш				-120.4417	33 °	-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	2_7				
	Action/Comments						
Inspector Comments: This item does not exist at this structure.							
							_

No Photos

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Culverts: Breaks / Holes /			37.03395	2 °	37.033952 °
item	Cracks			-120.44173	3°	-120.441733 °
DWR ID	DWR_NA0010_24_t _ 2012_8					
Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this s	truc	cture.

No Photos

LM Start	0.00	Rating **	N	Issue No.	9		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Metal Pipes			37.0339	52 °	37.033952	0
item				-120.4417	33 °	-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	2_9				
Action/Comments							
Inspector Comments: This item does not exist at this structure.							

No Photos

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Trash Racks			37.0339	52 °	37.033952 °	
пеш				-120.4417	33 °	-120.441733 °	
DWR ID	DWR_NA0	010_24_t _ 201	2_10				
Action/Comments							
Inspector (Comments	: This item do	es not e	xist at this	struc	ture.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Category				Start		End	
Item	Flap Gate	Flap Gates			2 °	37.033952	0
item				-120.44173	33 °	-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	2_11				
	Action/Comments						
Inspector	Comments	: This item do	es not e	xist at this s	truc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete	Lined	GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Sluice/Slide Gates		37.0339	52 °	37.033952	0		
пеш				-120.4417	33 °	-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	2_12				
	Action/Comments						
Inspector Comments: This item does not exist at this structure.							

No Photos

LM Start	0.00	Rating **	N	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Category Changels			GPS Latitude/Longitude				
Calegory	Channels	Channels				End	
Item	Electric Gate Operators			37.03395	52 °	37.033952 °	
пеш				-120.44173	33 °	-120.441733 °	
DWR ID	DWR_NA0	010_24_t _ 201	2_13				
Action/Comments							
Inspector	Comments	: This item do	es not e	xist at this s	truc	ture.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Lat	titud	le/Longitude	
Calegory				Start		End	
Item	Manual G	Manual Gate Operators			2 °	37.033952 °	
пеш				-120.44173	3°	-120.441733 °	
DWR ID	D DWR_NA0010_24_t _ 2012_14						
	Action/Comments						
Inspector	Comments	: This item do	es not e	xist at this s	truc	cture.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete Surfaces			37.0339	52 °	37.033952	0
пеш				-120.4417	33 °	-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	2_15				
	Action/Comments						
Inspector (Comments	: No visible d	amage.				

No Photos

LM Start	0.00	Rating **	Α	Issue No.	16			
LM End	0.00	Issue Type +	Ма	Location *				
Category	Structures & Concrete Lined Channels			GPS La	tituc	de/Longitude		
Calegory				Start		End		
Item	Concrete	Concrete Tilting / Settlement			52 °	37.033952	0	
Item				-120.4417	33 °	-120.441733	0	
DWR ID	DWR_NA0	010_24_t _ 201	2_16					
	Action/Comments							
Inspector Comments: No visible movement or settlement present.								

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		Lined	GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete Foundations			37.03395	2 °	37.033952 °	
пеш				-120.44173	3°	-120.441733 °	
DWR ID	DWR_NA0	010_24_t _ 201	2_17				
	Action/Comments						
Inspector	Comments	: Minor erosic	on on dov	wnstream sid	de d	of structure.	

No Photos

LM Start	0.00	Rating **	N	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Security Fencing			37.0339	52 °	37.033952	0
item				-120.4417	33 °	-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	2_18				
Action/Comments							
Inspector (Inspector Comments: This item does not exist at this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	19			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory Channe				Start		End		
Closure Structu		tructures	ures		52 °	37.033952	0	
item				-120.4417	33 °	-120.441733	0	
DWR ID	DWR_NA0	010_24_t _ 201	2_19					
Action/Comments								
Inspector (Comments	Inspector Comments: This item does not exist at this structure.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trash Rakes			37.03395	2 °	37.033952 °	
item				-120.44173	3°	-120.441733 °	
DWR ID	DWR_NA0	010_24_t _ 201	2_20				
	Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this s	truc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Other Metallic Items			37.0339	52 °	37.033952	0	
пеш				-120.4417	33 °	-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	2_21				
Action/Comments							
Inspector C	Inspector Comments: This item does not exist at this structure.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category			Start		End		
Monolith Joints			37.033952 °		37.033952	0	
item				-120.441733 °		-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	2_22				
Action/Comments							
Inspector Comments: All joint appears to be in good condition.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	23			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined GPS Latitude/				de/Longitude				
Calegory	Category Channels			Start		End		
Itom	ltem Safety				62 °	37.033952 °		
пеш					33 °	-120.441733 °		
DWR ID	DWR ID DWR_NA0010_24_t _ 2012_23							
Action/Comments								
Inspector Comments: No visible safety hazards.								

No Photos

LM Start	0.00	Rating **	Α	Issue No.		24		
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Operation & Maintenance			37.0339	52 °	37.033952	0	
item	Manual			-120.4417	33 °	-120.441733	0	
DWR ID	DWR_NA0	010_24_t _ 201	3_24					
Action/Comments								
Inspector Comments: The manual is on file in the office.								

No Photos

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Ash Slough Drop Structure No. 2	

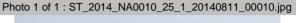
Structure Rating	Α
Date of Inspection	08/06/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		1		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Channels			Start		End		
Item	Photo Documentation			37.037853 °		37.037853 °		
item				-120.44006	67 °	-120.440067 °		
DWR ID	DWR ID DWR_NA0010_25_t _ 2012_1							
Action/Comments								





Looking east at downstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetation & Obstructions			37.0378	53 °	37.037853 °	
пеш				-120.4400	67°	-120.440067 °	
DWR ID	DWR_NA0010_25_t _ 2012_2						
Action/Comments							

Inspector Comments: No vegetation or obstructions to impede flow, but vegetation is blocking view of the inlet side of structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Shoaling / Sedimentation			37.0378	53 °	37.037853	0
пеш				-120.4400	67 °	-120.440067	0
DWR ID	DWR_NA0	010_25_t _ 201	2_3		·		
Action/Comments							
La constant O constant A color of constant of a discount that about door							

Inspector Comments: A minimal amount of sediment that should not cause erosion was around the structure.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		4		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Channels			Start		End		
Item	Erosion / Bank Caving			37.037853 °		37.037853 °		
пеш				-120.44006	7 °	-120.440067 °		
DWR ID	DWR ID DWR_NA0010_25_t _ 2012_4							
Action/Comments								
Inspector Comments: No visible erosion.								

No Photos

LM Start	0.00	Rating **	М	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Revetments			37.03785	53 °	37.037853 °
пеш				-120.44006	67 °	-120.440067 °
DWR ID	DWR_NA0	010_25_t _ 201	2_5			
Action/Comments						
Inspector (Comments	: Riprap shou	ld be pro	perly maint	aine	ed.

Photo 1 of 1: ST_2014_NA0010_25_5_20140811_00011.jpg



Looking north at revetments on downstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels		Start		End		
Item	Encroachments			37.0378	53 °	37.037853 °
пеш				-120.4400	67 °	-120.440067 °
DWR ID	DWR_NA0	010_25_t _ 201	2_6			
Action/Comments						
Inspector (Comments	: No visible e	ncroachr	nents.		

No Photos

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		7			
LM End	0.00	Issue Type +	Ma	Location *					
Catagory	Structures & Concrete Lined				GPS Latitude/Longitude				
Channels				Start		End			
Item	Culverts: Inlets / Outlets			37.03785	53 °	37.037853			
item				-120.44006	67 °	-120.440067 °			
DWR ID	DWR_NA0	010_25_t _ 201	2_7						
Action/Comments									
Inspector	Inspector Comments: This item does not exist at this structure.								

No Photos

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Culverts: Breaks / Holes /			37.0378	53 °	37.037853	0
пеш	Cracks			-120.4400	67 °	-120.440067	0
DWR ID	DWR_NA0	010_25_t _ 201	2_8				
Action/Comments							
Inspector (Inspector Comments: This item does not exist at this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		9		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Channels			Start		End			
Item	Metal Pipes			37.0378	53 °	37.037853 °		
пеш			-120.4400	67 °	-120.440067 °			
DWR ID	DWR_NA0	010_25_t _ 201	2_9					
	Action/Comments							
Inspector (Inspector Comments: These items do not exist at this structure.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		10		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Channels				Start		End		
Item	Trash Racks			37.03785	3°	37.037853 °		
item					67°	-120.440067 °		
DWR ID	DWR_NA0	010_25_t _ 201	2_10					
Action/Comments								
Inspector (Comments	: This item do	es not e	xist at this s	truc	cture.		

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels		Start		End			
Item	Flap Gates			37.03785	53 °	37.037853 °	
пеш				-120.44006	67°	-120.440067 °	
DWR ID	DWR_NA0	010_25_t _ 201	2_11				
Action/Comments							
Inspector (Comments	: This item do	es not e	xist at this s	tru	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels					Start		
Sluice/Slide Gates			37.037853 °		37.037853	0	
item				-120.4400	67 °	-120.440067	0
DWR ID	DWR_NA0	010_25_t _ 201	2_12				
Action/Comments							
Inspector (Inspector Comments: These items do not exist at this structure.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		13			
LM End	0.00	Issue Type +	Ma	Location *					
Catagony	Category Channels				GPS Latitude/Longitude				
Calegory	Channels			Start		End			
Item	Electric Gate Operators			37.03785	53 °	37.037853 °			
item					67 °	-120.440067 °			
DWR ID	DWR_NA0	010_25_t _ 201	2_13						
Action/Comments									
Inspector (Comments	: This item do	es not e	xist at this s	truc	cture.			

No Photos

LM Start	0.00	Rating **	N	Issue No.		14
LM End	0.00	Issue Type +	Ma	Location *		
Category Channels			GPS Latitude/Longitude			
Channels		Start		End		
Manual Gate Operators		;	37.0378	53 °	37.037853 °	
item				-120.44006	67 °	-120.440067 °
DWR ID	DWR_NA0	010_25_t _ 201	2_14			
Action/Comments						
Inspector (Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channe				Start		End	
Item	Concrete Surfaces			37.0378	53 °	37.037853	0
item				-120.4400	67 °	-120.440067	0
DWR ID	DWR_NA0	010_25_t _ 201	2_15				
Action/Comments							
Inspector Comments: No visible damage.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Concrete Tilting / Settlement			37.03785	3°	37.037853 °
пеш				-120.44006	7 °	-120.440067 °
DWR ID	DWR_NA0	010_25_t _ 201	2_16			
Action/Comments						
Inspector (Comments	: No visible m	ovemen	t or settleme	nt.	

No Photos

LM Start	0.00	Rating **	М	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Category Changels			GPS Latitude/Longitude			
Channels			Start		End	
Item	Concrete	Foundations		37.03785	3°	37.037853 °
item				-120.44006	67 °	-120.440067 °
DWR ID DWR_NA0010_25_t _ 2012_17						
Action/Comments						
Inopostor (Commonto	· Larga bala s	n tha ria	ht wing wall	2 2	2 foot wide

Inspector Comments: Large hole on the right wing wall 2-3 feet wide and 4-5 feet deep and 12-14 feet long.



Looking east at large hole near right wing wall.

LM Start	0.00	Rating **	М	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking north at hole near right wing wall.

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		18					
LM End	0.00	Issue Type +	Ma	Location *							
Catagory	Category Changels			GPS Latitude/Longitude							
Channels				Start		End					
Item	Security Fencing			37.03785	53 °	37.037853 °					
пеш					67 °	-120.440067 °					
DWR ID	DWR_NA0	010_25_t _ 201	2_18								
Action/Comments											
Inspector	Comments	: This item do	es not e	xist at this s	truc	Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.		19
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels			Start		End	
Item	Closure Structures		37.0378	53 °	37.037853 °	
пеш				-120.44006	67 °	-120.440067 °
DWR ID	DWR_NA0	010_25_t _ 201	2_19			
	Action/Comments					
Inspector (Comments	: This item do	es not e	xist at this s	tru	cture.

No Photos

LM Start	0.00	Rating **	N	Issue No.		20		
LM End	0.00	Issue Type +	Ма	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Channels	annels			Start		End	
Item	Trash Rakes			37.037853 °		37.037853	0	
item				-120.4400	67 °	-120.440067	0	
DWR ID	DWR_NA0	010_25_t _ 201	2_20					
Action/Comments								
Inspector Comments: This item does not exist at this structure.								

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category			Concrete Lined GPS Latitude/Longitude				
Channels				Start		End	
Item	Other Metallic Items			37.03785	53 °	37.037853 °	
item				-120.44006	67 °	-120.440067 °	
DWR ID	DWR_NA0	010_25_t _ 201	2_21				
	Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this s	truc	ture.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS Latitude/Longitude					
Category	Channels			Start	Start End		
Item	Monolith Joints			37.0378	53 °	37.037853	0
пеш			-120.4400	67 °	-120.440067	0	
DWR ID	DWR ID DWR_NA0010_25_t _ 2012_22						
Action/Comments							
Inspector Comments: All joints appear to be in good condition.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Itom	ltem Safety			37.0378	53 °	37.037853	0
item				-120.4400	67 °	-120.440067	0
DWR ID DWR_NA0010_25_t _ 2012_23							
Action/Comments							
Inspector Comments: No visible safety hazards at this structure.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start	End	
Operation & Maintenance			37.03785	3°	37.037853 °	
Item	Manual			-120.44006	7 °	-120.440067 °
DWR ID DWR_NA0010_25_t _ 2013_24						
Action/Comments						
Inspector Comments: The manual is on file in the office.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Ash Slough Drop Structure No. 3	

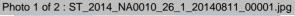
Structure Rating	Α
Date of Inspection	08/06/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	GPS La	titud	le/Longitude				
Category				Start		End	
Item	Photo Documentation			37.04276	67°	37.042767	0
пеш				-120.43632	23 °	-120.436323	0
DWR ID DWR_NA0010_26_t _ 2012_1							
Action/Comments							





Looking north at upstream side of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2014_NA0010_26_1_20140811_00002.jpg



Looking north at overview of structure.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony		s & Concrete I	Lined	GPS La	atituc	de/Longitude	
Calegory	Category			Start		End	
Item	Vegetatio	n & Obstruction	ons	37.0427	67 °	37.042767	0
пеш				-120.4363	23 °	-120.436323	0
DWR ID	DWR ID DWR_NA0010_26_t _ 2012_2						
Action/Comments							
Inspector (Inspector Comments: No vegetation or obstructions that would impede						

No Photos

Page 1 of 9

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	le/Longitude	
Calegory	Channels		Start		End		
Item	Shoaling /	Sedimentation	on	37.0427	67 °	37.042767 °	
item	item					-120.436323 °	
DWR ID DWR_NA0010_26_t _ 2012_3							
	Action/Comments						

Inspector Comments: A minimal amount of sediment on the upstream side of structure.

No Photos

LM Start 0.00 Rating ** Issue No. Location * LM End 0.00 Issue Type + Ма Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 37.042767° 37.042767° Item -120.436323 ° -120.436323 ° DWR ID DWR_NA0010_26_t _ 2012_4 Action/Comments Inspector Comments: No visible erosion or caving near the structure.

No Photos

Rating ** Issue No. LM Start 0.00 Issue Type + Ма Location * LM End 0.00 Structures & Concrete Lined GPS Latitude/Longitude Category Channels Revetments 37.042767° 37.042767° Item -120.436323 ° -120.436323 ° DWR ID DWR_NA0010_26_t _ 2012_5 Action/Comments

Inspector Comments: Existing revetment is covered by the sand, but is properly maintained.

No Photos

Location LS : Land Side WS: Water Side CR : Crown

Rating

A: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony		& Concrete	Lined	GPS Latitude/Longitude			
Calegory	Channels				Start		
Item	Encroachments				7 °	37.042767 °	
item				-120.43632	23 °	-120.436323 °	
DWR ID	DWR ID DWR_NA0010_26_t _ 2012_6						
Action/Comments							
Inspector (Comments	: No visible e	ncroachr	nents near t	he:	structure.	

No Photos

LM Start								
Category Structures & Concrete Lined GPS Latitude/Longitude	LM Start	0.00	Rating **	N	Issue No.		7	
Category Channels Start End Item Culverts: Inlets / Outlets 37.042767 ° 37.042767 ° -120.436323 ° -120.436323 ° DWR ID DWR_NA0010_26_t _ 2012_7 Action/Comments	LM End	0.00	Issue Type +	Ma	Location *			
Culverts: Inlets / Outlets Start End				GPS La	atitud	de/Longitude		
ttem	Calegory	Channels			Start		End	
-120.436323 o -120.436323 o DWR_NA0010_26_t	Itom				37.0427	67 °	37.042767	0
Action/Comments	пеш				-120.4363	23 °	-120.436323	0
	DWR ID	DWR_NA0	010_26_t _ 201	2_7				
Inspector Comments: This item does not exist at this structure.	Action/Comments							
	Inspector (Inspector Comments: This item does not exist at this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	tituc	le/Longitude
Calegory	Channels			Start		End
Item	Culverts: Breaks / Holes /			37.0427	67 °	37.042767 °
пеш	Cracks			-120.4363	23 °	-120.436323 °
DWR ID	DWR_NA0	010_26_t _ 201	2_8			
Action/Comments						
Inspector (Inspector Comments: This item does not exist at this structure.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ma	Location *		
Catagony		& Concrete	Lined	GPS Latitude/Longitude		
Calegory	Category Channels					End
Item	Metal Pipes				7 °	37.042767 °
пеш				-120.43632	3 °	-120.436323 °
DWR ID	DWR_NA0	010_26_t _ 201	2_9			
Action/Comments						
Inspector	Comments	: This item do	es not e	xist at this s	truc	cture.

No Photos

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
				Start		End	
Item	Trash Racks			37.0427	67 °	37.042767	0
item				-120.4363	23 °	-120.436323	0
DWR ID	DWR_NA0	010_26_t _ 201	2_10				
	Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this	struc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		11		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS La	atitud	le/Longitude			
Calegory	Channels			Start		End		
Item	Flap Gate	ap Gates 37.042767		67 °	37.042767 °			
пеш				-120.4363	23 °	-120.436323 °		
DWR ID	DWR_NA0	010_26_t _ 201	2_11					
Action/Comments								
Inspector (Comments	: This item do	es not e	xist at this	struc	ture.		

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels				GPS Latitude/Longitude			
Channels				Start	End		
Item	Sluice/Slide Gates			37.04276	7 °	37.042767 °	
пеш				-120.43632	3°	-120.436323 °	
DWR ID	DWR_NA0	010_26_t _ 201	2_12				
Action/Comments							
Inspector	Comments	: These items	do not e	exist at this s	stru	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude		
			Start E		End		
Item	Electric Gate Operators			37.0427	67 °	37.042767	0
item				-120.4363	23 °	-120.436323	0
DWR ID	DWR_NA0	010_26_t _ 201	2_13				
Action/Comments							
Inspector (Comments	: This item do	es not e	xist at this	struc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		14		
LM End	0.00	Issue Type +	Ма	Location *				
Structures & Concrete Lined			GPS La	atituc	de/Longitude			
Calegory Channel				Start		End		
Manual Gate Operators		;	37.0427	67 °	37.042767	0		
item				-120.4363	23 °	-120.436323	0	
DWR ID	DWR_NA0	010_26_t _ 201	2_14					
Action/Comments								
Inspector (Comments	: This item do	es not e	xist at this	struc	cture.		

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels				GPS Latitude/Longitude			
Channels			Start	End			
Item	Concrete Surfaces			37.04276	7 °	37.042767 °	
item				-120.43632	3°	-120.436323 °	
DWR ID	DWR_NA0	010_26_t _ 201	2_15				
Action/Comments							
Inspector (Comments	: No visible d	amage.				

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude		
			Start End		End		
Item	Concrete Tilting / Settlement			37.0427	67 °	37.042767	0
item				-120.436323 ° -120.43			0
DWR ID	DWR_NA0	010_26_t _ 201	2_16				
Action/Comments							
Inspector (Comments	: No visible m	ovemen	t or settlem	ent.		

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start	End		
Item	Concrete Foundations			37.0427	67°	37.042767	٥
item				-120.4363	23 °	-120.436323	٥
DWR ID	DWR_NA0	010_26_t _ 201	2_17				
Action/Comments							
Inspector (Comments	: No visible u	ndermini	ng or erosio	on.		

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category Changels			GPS Latitude/Longitude				
Calegory	Channels			Start	End 27.042767.9		
Item	Security Fencing			37.04276	7 °	37.042767 °	
пеш				-120.43632	3°	-120.436323 °	
DWR ID	DWR_NA0	010_26_t _ 201	2_18				
Action/Comments							
Inspector	Comments	: This item do	es not e	xist at this s	truc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS Latitude/Longitude					
Category	Channels		Start			End	
Item	Closure Structures			37.042767 °		37.042767	0
пеш			-120.43632		23 °	-120.436323	0
DWR ID	DWR_NA0	010_26_t _ 201	2_19				
	Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this	struc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS Latitude/Longitude					
Category	Channels			Start		End	
Item	Trash Rakes			37.042767 °		37.042767 °	
nem				-120.4363	23 °	-120.436323 °	
DWR ID	DWR_NA0	010_26_t _ 201	2_20				
Action/Comments							
Inspector (Inspector Comments: This item does not exist at this structure.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		21
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels			Start		End
Item	Other Metallic Items			37.04276	7 °	37.042767 °
пеш					3°	-120.436323 °
DWR ID	DWR_NA0	010_26_t _ 201	2_21			
Action/Comments						
Inspector	Comments	: This item do	es not e	xist at this s	truc	cture.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS Latitude/Longitude					
Category	Channels		Start			End	
Item	Monolith Joints			37.0427	67 °	37.042767	0
Item				-120.4363	23 °	-120.436323	0
DWR ID	DWR_NA0	010_26_t _ 201	2_22				
	Action/Comments						
Inspector (Comments	: All joints ap	pears to	be in good	con	dition.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Safety			37.04276	7°	37.042767 °
пеш				-120.43632	3 °	-120.436323 °
DWR ID	DWR_NA0	010_26_t _ 201	2_23			
	Action/Comments					
Inspector (Inspector Comments: No visible safety hazards.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Operation & Maintenance			37.04276	67 °	37.042767 °
Item	Manual			-120.43632	23 °	-120.436323 °
DWR ID	DWR_NA0	010_26_t _ 201	3_24			
	Action/Comments					
Inspector (Inspector Comments: The manual is on file in the office.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Ash Slough Drop Structure No. 4	

Structure Rating	Α
Date of Inspection	08/06/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels			Start		End	
Item	Photo Documentation			37.0450	45 °	37.045045 °	
item				-120.4298	55 °	-120.429855 °	
DWR ID DWR_NA0010_27_t _ 2012_1							
	Action/Comments						

Photo 1 of 1: ST_2014_NA0010_27_1_20140811_00007.jpg



Looking north at overview of structure.

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	titud	le/Longitude
Category	Channels	Channels				End
Item	Vegetation & Obstructions			37.0450	45 °	37.045045 °
item				-120.4298	55 °	-120.429855 °
DWR ID	DWR_NA0	010_27_t _ 201	2_2			
Action/Comments						
Inspector	Comments	: Trees shoul	d be rem	oved from a	arou	ind structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	tituc	de/Longitude		
Category	Channels			Start		End	
Item	Shoaling / Sedimentation			37.0450	45 °	37.045045	0
пеш				-120.4298	55 °	-120.429855	0
DWR ID	DWR_NA0	010_27_t _ 201	2_3				
Action/Comments							
Inspector (Inspector Comments: No visible shoaling or sedimentation prresent.						

No Photos

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Erosion /	Bank Caving		37.04504	5 °	37.045045 °
пеш				-120.42985	5 °	-120.429855 °
DWR ID DWR_NA0010_27_t _ 2012_4						
Action/Comments						
Inspector Comments: No erosion visible.						

No Photos

LM Start	0.00	Rating **	М	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Revetmer	nts		37.045045 °		37.045045 °	
пеш				-120.42985	5 °	-120.429855 °	
DWR ID	DWR ID DWR_NA0010_27_t _ 2012_5						
Action/Comments							
Inspector (Comments	: No riprap on	the ups	tream side o	of s	tructure.	



Looking at downstream side of structure.

LM Start	0.00	Rating **	М	Issue No.		6	
LM End	0.00	Issue Type +	En	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Encroach	ments		37.04504	15 °	37.045045 °	
пеш				-120.42985	55 °	-120.429855 °	
DWR ID	DWR ID DWR_NA0010_27_t _ 2012_6						
Action/Comments							
Inspector (Comments	: Landowner l	blockina	structure wi	th s	and dam.	



Looking north at overview of sand dam on upstream side of structure.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

The dam would likely wash out during a high water event.

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainte

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No.		6 (cont)
LM End	0.00	Issue Type +	En	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Encroach	ments		37.045045 °		37.045045 °
item				-120.42985	55 °	-120.429855 °
DWR ID DWR_NA0010_27_t _ 2012_6						
Action/Comments						
Inspector (Comments	: Landowner l	nlocking	structure wi	th s	and dam

Inspector Comments: Landowner blocking structure with sand dam. The dam would likely wash out during a high water event.



Looking south at down tree limbs on downstream of structure.

LM Start	0.00	Rating **	N	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Category	Channels	Channels				End
Item	Culverts: Inlets / Outlets			37.0450	45 °	37.045045 °
item				-120.4298	55 °	-120.429855 °
DWR ID	DWR_NA0	010_27_t _ 201	2_7			
Action/Comments						
Inspector (Inspector Comments: This item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Category	Channels		Start		End		
Item		Culverts: Breaks / Holes /			45 °	37.045045	0
пеш	Cracks			-120.4298	55 °	-120.429855	0
DWR ID	DWR_NA0	010_27_t _ 201	2_8		·		
		Action/	Comme	nts			
Inspector	Comments	: This item do	es not e	xist.			

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Metal Pipe	es		37.0450	45 °	37.045045 °
пеш				-120.4298	55 °	-120.429855 °
DWR ID	DWR_NA0	R_NA0010_27_t _ 2012_9				
		Action/	Comme	nts		

Inspector Comments: This structure was not designed for culverts, but the landowner installed unauthorized culverts through the unauthorized sand dam. See encroachment item for pictures of the pipes.

No Photos

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Trash Racks			37.04504	45 °	37.045045 °
пеш				-120.4298	55 °	-120.429855 °
DWR ID	DWR_NA0	010_27_t _ 201	2_10			
Action/Comments						
Inspector (Comments	: This item do	es not e	xist on this	stru	cture.

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels					Start		
Item	Flap Gates			37.0450	45 °	37.045045	0
пеш			-120.4298	55 °	-120.429855	0	
DWR ID	DWR_NA0	010_27_t _ 201	2_11				
Action/Comments							
Inspector Comments: This item does not exist on this structure.							

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined GPS Latitude/Longitude				le/Longitude		
Category				Start		End
Item	Sluice/Slice	de Gates		37.04504	5 °	37.045045 °
пеш				-120.42985	5 °	-120.429855 °
DWR ID	DWR_NA0	010_27_t _ 201	2_12			
Action/Comments						
Inspector	Comments	: This item do	es not e	xist on this s	stru	cture.

No Photos

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels		Start		End			
Item	Electric Gate Operators			37.0450	45 °	37.045045	0
пеш				-120.4298	55 °	-120.429855	0
DWR ID	DWR_NA0	010_27_t _ 201	2_13				
Action/Comments							
Inspector (Comments	: This item do	es not e	xist on this	stru	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		14
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels		Start		End		
Manual Gate Operators		37.0450	45 °	37.045045 °		
item				-120.4298	55 °	-120.429855 °
DWR ID	DWR_NA0	010_27_t _ 201	2_14			
Action/Comments						
Inspector Comments: This item does not exist on this structure.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		15		
LM End	0.00	Issue Type +	Ma	Location *				
Category Channels			Lined	GPS Latitude/Longitude				
Channels			Start		End			
Item	Concrete Surfaces			37.04504	5 °	37.045045 °		
item				-120.42985	5 °	-120.429855 °		
DWR ID	DWR_NA0	010_27_t _ 201	2_15					
Action/Comments								
Inspector (Comments	Inspector Comments: No visible damage.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete Tilting / Settlement			37.0450	45 °	37.045045	0
item			-120.4298	55 °	-120.429855	0	
DWR ID	DWR_NA0	010_27_t _ 201	2_16				
Action/Comments							
Inspector Comments: No visible movement or settlement.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	tituc	le/Longitude	
Category		Start		End		
Concrete Foundations		37.0450	45 °	37.045045 °		
пеш				-120.4298	55 °	-120.429855 °
DWR ID	DWR_NA0	010_27_t _ 201	2_17			
Action/Comments						
Inspector	Inspector Comments: No visible undermining at the structure.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		18
LM End	0.00	Issue Type +	Ma	Location *		
Category		s & Concrete I	GPS Latitude/Longitude			
Channels			Start		End	
Item	Security Fencing			37.04504	5 °	37.045045 °
item				-120.42985	5 °	-120.429855 °
DWR ID	DWR_NA0	010_27_t _ 201	2_18			
Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this s	truc	cture.

No Photos

	LM Start	0.00	Rating **	N	Issue No.		19	
	LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS Latitude/Longitude						
	Category			Start		End		
	Item	Closure Structures			37.045045 °		37.045045	0
	item				-120.4298	55 °	-120.429855	0
	DWR ID	DWR_NA0	010_27_t _ 201	2_19				
			Action/	Comme	nts			
	Inspector (Comments	: This item do	es not e	xist at this	struc	cture.	

No Photos

	LM Start	0.00	Rating **	N	Issue No.		20	
	LM End	0.00	Issue Type +	Ma	Location *			
Cotomoni			Structures & Concrete Lined		GPS Latitude/Longitude			
	Category			Start		End		
	Item	Trash Rakes		37.045045 °		37.045045	0	
	item					-120.429855 °		0
	DWR ID	DWR_NA0	010_27_t _ 201	2_20				
			Action/	Comme	nts			
	Inspector (Comments	: This item do	es not e	xist at this	struc	cture.	

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		21		
LM End	0.00	Issue Type +	Ma	Location *				
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude					
			Start		End			
Item	Other Metallic Items			37.045045 °		37.045045 °		
пеш				-120.42985	55 °	-120.429855 °		
DWR ID	DWR ID DWR_NA0010_27_t _ 2012_21							
	Action/Comments							
Inspector (Inspector Comments: No metal items at this structure.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22		
LM End	0.00	Issue Type +	Ма	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Channels		Start		End				
Monolith Joint		Joints		37.04504	15 °	37.045045 °		
пеш			-120.42985	55 °	-120.429855 °			
DWR ID	DWR ID DWR_NA0010_27_t _ 2012_22							
Action/Comments								
Inspector (Inspector Comments: All joints appear to be in good condition.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Safety			37.0450	45 °	37.045045 °
пеш				-120.4298	55 °	-120.429855 °
DWR ID	DWR_NA0	010_27_t _ 201	2_23			
Action/Comments						
Inspector Comments: No safety hazards visible.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		24		
LM End	0.00	Issue Type +	Ma	Location *				
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude					
			Start		End			
Item	Operation & Maintenance			37.04504	15 °	37.045045 °		
Item	Manual			-120.42985	55 °	-120.429855 °		
DWR ID	DWR ID DWR_NA0010_27_t _ 2013_24							
Action/Comments								
Inspector (Inspector Comments: The manual is on file in the office.							

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Bear Creek Diversion Structure	

Structure Rating	Α
Date of Inspection	08/04/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		08/04/2014 08/04/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Photo Documentation		cumentation		37.2549	70°	37.254970 °
item				-120.7184	50°	-120.718450 °
DWR ID	DWR_NA0	010_34_t _ 201	2_1			
Action/Comments						
Inspector Comments: Item appears to be acceptably maintained.						

Photo 1 of 2: ST_2014_NA0010_34_1_20140812_00014.jpg



Looking east at downstream side of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking north at overview of structure.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Vegetation & Obstructions			37.2549	70°	37.254970	
пеш					50 °	-120.718450 °	
DWR ID	DWR_NA0	010_34_t _ 201	2_2				
Action/Comments							
Inspector Comments: Small amount of vegetation on downstream side							

No Photos

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		08/04/2014 08/04/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete Lined		GPS Latitude/Longitude		e/Longitude	
Calegory	Channels			Start		End	
Item	Shoaling / Sedimentation			37.254970 °		37.254970 °	
пеш				-120.7184	50 °	-120.718450 °	
DWR ID	DWR_NA0010_34_t _ 2012_3						
Action/Comments							
Inspector (Comments	: No sedimen	tation or	shoaling vi	sible).	

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ма	Location *			
Category Changels			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Erosion / Bank Caving			37.25497	70 °	37.254970 °	
пеш				-120.71845	50 °	-120.718450 °	
DWR ID	DWR_NA0	010_34_t _ 201	2_4				
Action/Comments							
Inspector (Inspector Comments: No visible erosion near the structure.						

No Photos

	LM Start	0.00	Rating **	Α	Issue No.	5			
	LM End	0.00	Issue Type +	Ma	Location *				
	Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
	Calegory				Start		End		
	Item	Revetments			37.254970 °		37.254970	0	
					-120.7184	50°	-120.718450	0	
	DWR ID	R ID DWR_NA0010_34_t _ 2012_5							
	Action/Comments								
	Inspector Comments: Existing revetment is properly maintained.								

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		08/04/2014 08/04/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Encroachments			37.25497	° 0	37.254970 °	
пеш				-120.71845	° 0	-120.718450 °	
DWR ID	DWR_NA0	2_6					
Action/Comments							
		0: 1					

Inspector Comments: Steveson Irrigation replaced pvc electrical conducit with half inch steel pipe.



Looking at new electrial conduit on downstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.	6 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking north at electric control gate on east side of structure. Photo 3 of 3: ST_2014_NA0010_34_6_20140710_00005.jpg

 LM Start
 0.00
 Rating **
 A
 Issue No.
 6 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *



Looking east at electrial conduit trench on southside of structure.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		08/04/2014 08/04/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Culverts: Inlets / Outlets			37.25497	o°	37.254970 °	
item				-120.71845	0°	-120.718450 °	
DWR ID	DWR ID DWR_NA0010_34_t _ 2012_7						
Action/Comments							
Inspector (Comments	: No debris bl	ocking th	ne culverts.			

No Photos

LM Start	0.00	Rating **	Α	Issue No.	8		
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete Lined		GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Culverts: Breaks / Holes /		37.2549	70°	37.254970	0		
пеш	Cracks			-120.7184	50 °	-120.718450	0
DWR ID	DWR_NA0	010_34_t _ 201	2_8				
Action/Comments							
Inspector Comments: No visible damage to culverts.							

No Photos

0.00	Rating **	N	Issue No.		9	
0.00	Issue Type +	Ma	Location *			
	& Concrete I	oncrete Lined		GPS Latitude/Longitude		
Category			Start		End	
Metal Pipes			37.2549	70°	37.254970 °	
			-120.7184	50 °	-120.718450 °	
DWR_NA0	010_34_t _ 201	2_9				
Action/Comments						
Inspector Comments: Item does not exist on this structure.).	
	0.00 Structures Channels Metal Pipe DWR_NA0	0.00 Issue Type + Structures & Concrete I Channels Metal Pipes DWR_NA0010_34_t _ 201 Action/	0.00 Issue Type + Ma Structures & Concrete Lined Channels Metal Pipes DWR_NA0010_34_t _ 2012_9 Action/Comme	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Last Start Metal Pipes 37.2549* -120.7184* DWR_NA0010_34_t _ 2012_9 Action/Comments	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Latitude Metal Pipes 37.254970 ° -120.718450 ° DWR_NA0010_34_t _ 2012_9 Action/Comments	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		08/04/2014 08/04/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined				titud	e/Longitude	
Calegory	Channels Channels			Start		End	
Item	Trash Racks			37.25497	70 °	37.254970	0
item				-120.71845	50 °	-120.718450	0
DWR ID	DWR_NA0	2_10					
Action/Comments							
Inspector	Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined Channels			GPS La	atituc	de/Longitude	
Calegory				Start		End	
Item	Flap Gates			37.2549	70°	37.254970	0
item				-120.7184	50°	-120.718450	0
DWR ID	DWR_NA0	010_34_t _ 201	2_11				
Action/Comments							
Inspector Comments: Item does not exist on this structure.							

No Photos

LM Start	0.00	Rating **	N	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	titud	e/Longitude		
Calegory	Channels			Start		End	
Item	Sluice/Slide Gates			37.25497	70 °	37.254970 °	
пеш				-120.7184	50 °	-120.718450 °	
DWR ID	DWR_NA0	010_34_t _ 201	2_12				
Action/Comments							
Inspector	Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		08/04/2014 08/04/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		13	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS La	tituc	le/Longitude	
Calegory	Channels	Channels				End	
Item	Electric G	ate Operators	;	37.25497	° 0	37.254970 °	
пеш				-120.71845	0 °	-120.718450 °	
DWR ID	DWR_NA0						
Action/Comments							

Inspector Comments: Steven Irrigation District installed an electric gate on upstream side of structure. CVFPB approved permit for electric gate.



Looking south at electric gate operators on upstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Manual Gate Operators			37.2549	70 °	37.254970 °	
пеш			-120.7184	50 °	-120.718450 °		
DWR ID	/R ID						
Action/Comments							
Inspector (Comments	: All gates ap	pear to b	e in good w	/orki	na condition.	

No Photos

LM Start	0.00	Rating **	М	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined Channels			GPS Lat	itud	e/Longitude
Calegory				Start		End
Item	Concrete Surfaces			37.25497	0 °	37.254970 °
пеш				-120.71845	0 °	-120.718450 °
DWR ID	DWR_NA0	010_34_t _ 201	2_15			
Action/Comments						
Inspector Comments: Small cracking on downstream left wing wall.						ving wall.



Photo 1 of 4: ST_2014_NA0010_34_15_20140812_00016.jpg

Looking at cracking on left wing wall Summer 2014.

* Location LS : Land Side WS : Water Side CR : Crown

Tuesday, October 14, 2014 09:54

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		08/04/2014 08/04/2014	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No.		15 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Concrete Surfaces			37.2549	70°	37.254970
Item				-120.7184	50 °	-120.718450
DWR ID	DWR_NA0	010_34_t _ 201	2_15			
Action/Comments						
Inspector Comments: Small cracking on downstream left wing wall.						



Looking at cracking on left wing wall.

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at cracking on left wing wall Summer 2013.

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking northwest at cracking on left wing wall.

* Location LS : Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

& Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		08/04/2014 08/04/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Lat	ituc	le/Longitude	
Calegory	Channels		Start		End	
Item	Concrete Tilting / Settlement			37.25497	o °	37.254970 °
пеш				-120.71845	°	-120.718450 °
DWR ID	DWR_NA0010_34_t _ 2012_16					
Action/Comments						
Inspector (Inspector Comments: No visible settlement present.					

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	titud	e/Longitude	
Category	Channels	annels				End
Item	Concrete Foundations			37.25497	'0 °	37.254970 °
item					60°	-120.718450 °
DWR ID	DWR_NA0	010_34_t _ 201	2_17			
Action/Comments						
Inspector (Comments	: No visible e	rosion ne	ear foundation	on.	

Photo 1 of 2: ST_2014_NA0010_34_17_20140812_00018.jpg



Looking north at upstream side of structure.

Photo 2 of 2: ST_2014_NA0010_34_17_20140812_00019.jpg

LM Start	0.00	Rating **	Α	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking south at downstream side of structure.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		08/04/2014 08/04/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start	End		
Item	Security Fencing			37.25497	° o	37.254970 °	
item				-120.71845	0°	-120.718450 °	
DWR ID	DWR_NA0	010_34_t _ 201	2_18			·	
	Action/Comments						
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Changels			GPS La	atitud	le/Longitude	
Channels			Start		End		
Item	Closure Structures			37.2549	70°	37.254970	0
пеш				-120.7184	50 °	-120.718450	0
DWR ID	DWR_NA0	010_34_t _ 201	2_19				
Action/Comments							
Inspector (Inspector Comments: Closure structures in good working condition.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels				GPS La	tituc	le/Longitude	
				Start End			
Item	Trash Ral	rash Rakes			70°	37.254970 °	
пеш			-120.7184	50 °	-120.718450 °		
DWR ID	DWR_NA0	010_34_t _ 201	2_20				
	Action/Comments						
Inspector Comments: Item does not exist on this structure.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		08/04/2014 08/04/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.			
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS La	titud	e/Longitude	
Calegory	Category Channels					End	
Item	Other Metallic Items			37.25497	70 °	37.254970 °	
пеш				-120.71845	50 °	-120.718450 °	
DWR ID	DWR ID DWR_NA0010_34_t _ 2012_21						
Action/Comments							
Inspector (Comments	: Item does n	ot exist c	on this struc	ture		

No Photos

LM Start	0.00	Rating **	Α	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Monolith Joints			37.2549	70°	37.254970	0
item				-120.7184	50°	-120.718450	0
DWR ID	DWR_NA0	010_34_t _ 201	2_22				
Action/Comments							
Inspector (Comments	: No visible jo	int deter	ioration.			

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined		GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Safety			37.254970 °		37.254970	0
item				-120.7184	50°	-120.718450	0
DWR ID	ID DWR_NA0010_34_t _ 2012_23						
Action/Comments							
Inspector Comments: No visible hazards near the structure.							

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		08/04/2014 08/04/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	Operation & Maintenance			37.25497	70 °	37.254970 °	
пеш	Manual		-120.7184	50 °	-120.718450 °		
DWR ID	VR ID DWR_NA0010_34_t _ 2013_24						
Action/Comments							
Inspector Comments: The manual is on file in the office.							

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Eastside Bypass Control Structure	

Structure Rating	Α
Date of Inspection	08/05/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Photo Documentation			37.20486	7 °	37.204867 °
item				-120.69698	5 °	-120.696985 °
DWR ID	ID DWR_NA0010_43_t _ 2012_1					
Action/Comments						



Looking east at upstream side of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at south at downstream side of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking north at top of structure.

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Catagory	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Vegetation & Obstructions			37.20486	7 °	37.204867 °
пеш				-120.69698	5 °	-120.696985 °
DWR ID	DWR_NA0010_43_t _ 2012_2					
Action/Comments						
Inspector Comments: No visible vegetation issues.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Shoaling / Sedimentation			37.2048	67 °	37.204867	0
пеш				-120.6969	85 °	-120.696985	0
DWR ID	DWR ID DWR_NA0010_43_t _ 2012_3						
Action/Comments							
Inspector Comments: No shoaling or sedimention visible.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels				Start		End	
Item	Erosion / Bank Caving			37.2048	67 °	37.204867 °	
пеш				-120.6969	85 °	-120.696985 °	
DWR ID	DWR_NA0010_43_t _ 2012_4						
Action/Comments							
Inspector Comments: No active erosion present.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		5		
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Structures & Concrete Lined		GPS Lat	le/Longitude				
Channels			Start	Start End				
Itom	Revetments			37.20486	7 °	37.204867 °		
item	Item			-120.69698	5 °	-120.696985 °		
DWR ID	DWR ID DWR_NA0010_43_t _ 2012_5							
Action/Comments								
Inspector (Inspector Comments: No revetments issues.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Category Changels			GPS Latitude/Longitud				
Calegory	Channels			Start End		End	
Item	Encroachments			37.2048	67 °	37.204867	0
пеш				-120.6969	85 °	-120.696985	0
DWR ID	DWR ID DWR_NA0010_43_t _ 2012_6						
Action/Comments							
Inspector Comments: Minor debris inside bays.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	tituc	le/Longitude	
Channels			Start E		End		
Item	Culverts: Inlets / Outlets			37.20486	67°	37.204867 °	
item				-120.69698	85 °	-120.696985 °	
DWR ID	D DWR_NA0010_43_t _ 2012_7						
Action/Comments							
Inspector Comments: No debris visible.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		8		
LM End	0.00	Issue Type +	Ma	Location *				
Catagory	Structures & Concrete Lined		Structures & Concrete Lined		GPS La	titud	e/Longitude	
Calegory	Channels			Start		End		
Item	Item Culverts: Breaks / Holes / Cracks			37.20486	67°	37.204867 °		
item				-120.69698	85 °	-120.696985 °		
DWR ID	DWR ID DWR_NA0010_43_t _ 2012_8							
Action/Comments								
Inspector (Inspector Comments: No visible problems.							

No Photos

LM Start	0.00	Rating **	N	Issue No.	9			
LM End	0.00	Issue Type +	Ma	Location *				
Category Changels			GPS Latitude/Longitu					
Calegory	Channels			Start		End		
Item	Metal Pipes			37.2048	67 °	37.204867	0	
пеш				-120.6969	85 °	-120.696985	0	
DWR ID	DWR ID DWR_NA0010_43_t _ 2012_9							
Action/Comments								
Inspector Comments: Item does not exist on this structure.								

No Photos

LM Start	0.00	Rating **	N	Issue No.	10						
LM End	0.00	Issue Type +	Ma	Location *							
Catagory	Structures & Concrete Lined				gon/			GPS La	atituc	de/Longitude	
Calegory	Channels		Start		End						
Item	Trash Racks			37.2048	67 °	37.204867	0				
пеш				-120.6969	85 °	-120.696985	0				
DWR ID	ID DWR_NA0010_43_t _ 2012_10										
Action/Comments											
Inspector Comments: Item does not exist on this structure.											

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		11		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined GPS Latitude					le/Longitude			
Category	Channels	Channels				End		
Item	Flap Gate	lap Gates			67 °	37.204867 °		
item				-120.6969	85 °	-120.696985 °		
DWR ID	DWR_NA0	010_43_t _ 201	2_11					
	Action/Comments							
Inspector Comments: Item does not exist on this structure.								

No Photos

LM Start	0.00	Rating **	Α	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined Channels		GPS La	tituc	le/Longitude		
Calegory				Start		End	
Item	Sluice/Sli	de Gates		37.20486	67°	37.204867	0
пеш				-120.69698	85 °	-120.696985	0
DWR ID	DWR_NA0	010_43_t _ 201	2_12				
			_				

Action/Comments

Inspector Comments: Item appears to be adequately maintained and able to perform as intended. But grease fittings are not connect to hinge point on gates.





Looking at typical view of control gates.

LM Start 0.00 Rating ** Issue No. 12 (cont) Issue Type + Location * LM End 0.00



Looking at grease tube disconnected from hing point.

Location LS : Land Side WS: Water Side $\mathsf{CR}:\mathsf{Crown}$

* Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	Lined	GPS La	atituc	le/Longitude		
Calegory	Channels	hannels				End	
Item	Electric G	lectric Gate Operators			67 °	37.204867 °	
пеш				-120.6969	85 °	-120.696985 °	
DWR ID	DWR_NA0	010_43_t _ 201	2_13				
Action/Comments							
Inspector Comments: Item appears to be adequately maintained and							

Photo 1 of 3: ST_2014_NA0010_43_13_20140812_00011.jpg



Looking west at electric motor on upstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ма	Location *	

Photo 2 of 3 : ST_2014_NA0010_43_13_20140812_00015.jpg



Looking south at electric motors on upstream side of structure. Photo 3 of 3: ST_2014_NA0010_43_13_20140710_00005.jpg

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking north at several electric motors on upstream side of structure.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

itor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		14			
LM End	0.00	Issue Type +	Ma	Location *					
Category Channels				GPS La	titud	le/Longitude			
Calegory	Channels			Start		End			
Item	Manual Gate Operators			37.20486	67 °	37.204867 °			
item			-120.69698	35 °	-120.696985 °				
DWR ID	DWR ID DWR_NA0010_43_t _ 2012_14								
Action/Comments									
Inspector (Inspector Comments: Item appears to be adequately maintained and								

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS La	tituc	de/Longitude		
Calegory	Channels			Start		End	
Item	Concrete	Concrete Surfaces		37.2048	67°	37.204867 °	
пеш				-120.69698	35 °	-120.696985 °	
DWR ID	DWR_NA0	010_43_t _ 201	2_15				
Action/Comments							
Inspector (Inspector Comments: Item appears to be acceptably maintained.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atituc	de/Longitude	
Calegory	Channels	nannels		Start		End	
Item	Concrete	ncrete Tilting / Settlemen		37.2048	67 °	37.204867	0
iteiii				-120.6969	85 °	-120.696985	0
DWR ID	DWR_NA0	010_43_t _ 201	2_16				
		Action/	Comme	nts			
Inspector (Comments	: No visible m	ovemen	t at or near	stru	icture.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	Lined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End
Item	Concrete Foundations			37.2048	67 °	37.204867 °
item				-120.6969	85 °	-120.696985 °
DWR ID	DWR_NA0	010_43_t _ 201	2_17			
Action/Comments						
Inspector (Comments	: No visible e	rosion ne	ear foundati	on.	

Photo 1 of 2: ST_2014_NA0010_43_17_20140812_00012.jpg



Looking north at downstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2: ST_2014_NA0010_43_17_20140710_00006.jpg



Looking at typical of control structure bay.

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS La	atitud	de/Longitude		
			Start		End		
Item	Security Fencing			37.2048	67 °	37.204867	0
Item				-120.6969	85 °	-120.696985	0
DWR ID	DWR_NA0	010_43_t _ 201	2_18				
Action/Comments							
Inspector Comments: Security fencing around electrical house is in							

No Photos

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category				Start		End	
Item	Closure Structures			37.20486	67°	37.204867 °	
item				-120.69698	35 °	-120.696985 °	
DWR ID DWR_NA0010_43_t _ 2012_19							
	Action/Comments						

Inspector Comments: No visible problem with stoplogs on upstream side of structure.

LM Start	0.00	Rating **	N	Issue No.		20
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Trash Rakes			37.20486	67°	37.204867 °
пеш				-120.69698	35 °	-120.696985 °
DWR ID	DWR_NA0	010_43_t _ 201	2_20			
Action/Comments						
Inspector (Inspector Comments: Item does not exist on this structure.					

No Photos

No Photos

	LM Start	0.00	Rating **	Α	Issue No.		21	
	LM End	0.00	Issue Type +	Ma	Location *			
	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
				Start		End		
	Item	Other Metallic Items			37.2048	67 °	37.204867	0
	item				-120.6969	85 °	-120.696985	0
	DWR ID	DWR_NA0	010_43_t _ 201	2_21				
	Action/Comments							
	Inspector (Inspector Comments: Some minor rust on control gates.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	Lined	GPS Lat	tuc	le/Longitude	
Calegory	Channels			Start		End
Item	Monolith .		37.20486	7 °	37.204867 °	
пеш				-120.69698	5 °	-120.696985 °
DWR ID	DWR_NA0	010_43_t _ 201	2_22			
Action/Comments						
Inspector (Comments	: No visible jo	int deter	ioration.		

No Photos

LM Start	0.00	Rating **	М	Issue No.		23
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined Channels			GPS La	atituc	le/Longitude
Calegory				Start		End
Item	Safety	Safety			67 °	37.204867 °
пеш				-120.6969	85 °	-120.696985 °
DWR ID	DWR_NA0	010_43_t _ 201	2_23			
		Action/	Comme	nts		
Inspector (structure.	Comments	: Need to rep	lace light	t fixtures on	ups	stream side of



Looking at missing light fixtures near electric gate operators. Photo 2 of 2 : ST_2014_NA0010_43_23_20140812_00013.jpg

 LM Start
 0.00
 Rating **
 M
 Issue No.
 23 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *



Looking south control building and fencing.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating
A · Accer

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

n En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Operation & Maintenance			37.20486	67 °	37.204867 °
Item	Manual			-120.69698	35 °	-120.696985 °
DWR ID	DWR_NA0	010_43_t _ 201	3_24			
Action/Comments						
Inspector (Comments	: The manual	is on file	in the offic	e.	

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Eastside Bypass Drop Structure No. 1	

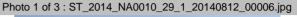
Structure Rating	Α
Date of Inspection	08/06/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

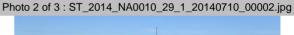
LM Start	0.00	Rating **	N	Issue No.		1		
LM End	0.00	Issue Type +	Ma	Location *				
Category	& Concrete I	GPS La	titud	le/Longitude				
Calegory	Channels			Start		End		
Itom	Item Photo Documentation			36.976928 °		36.976928 °		
пеш				-120.3821)3 °	-120.382103 °		
DWR ID	DWR ID DWR_NA0010_29_t _ 2012_1							
Action/Comments								
Inspector Comments: Item appears to be acceptably maintained.								





Looking south at an overview of structure on downstream side.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Looking southwest at downstream side of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at an overview of structure.

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		2		
LM End	0.00	Issue Type +	Ma	Location *				
Category	& Concrete I	GPS Latitude/Longitude						
Calegory	Channels					End		
Item	Vegetation & Obstructions			36.97692	28 °	36.976928 °		
Item	item)3 °	-120.382103 °		
DWR ID	DWR ID DWR_NA0010_29_t _ 2012_2							
Action/Comments								
Inspector Comments: No vegetation issue visible.								

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS La	tituc	le/Longitude			
Calegory	Category		Start		End			
Itom	Item Shoaling / Sedimentation			36.97692	28 °	36.976928	0	
пеш				-120.38210)3 °	-120.382103	0	
DWR ID	DWR_NA0	010_29_t _ 201	2_3					
Action/Comments								
Inspector (Inspector Comments: No shoaling or sedimentation issue visible.							

No Photos

LM Start	0.00	Rating **	М	Issue No.		4
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Category Channels			Start		End
Item	Erosion / Bank Caving			36.9769	28 °	36.976928 °
пеш				-120.3821	03 °	-120.382103 °
DWR ID	DWR_NA0	010_29_t _ 201	2_4			
Action/Comments						
Inspector Comments: Some minor caving on right wing wall.						



Looking at erosion/caving on right wing wall.

Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	& Concrete I	GPS Latitude/Longitude					
Category			Start		End		
Itom	ltem Revetments			36.976928 °		36.976928 °	
пеш				-120.3821	03 °	-120.382103 °	
DWR ID DWR_NA0010_29_t _ 2012_5							
Action/Comments							
Inspector Comments: Item appears to be acceptably maintained							



Looking south at revetment on downstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS La	atitud	le/Longitude	
Category	Channels			Start		End	
Item	Encroachments			36.9769	28 °	36.976928	
item				-120.3821	03 °	-120.382103	
DWR ID	DWR_NA0	010_29_t _ 201	2_6				
Action/Comments							
Inspector (Comments	: No visible e	ncroachr	nents near	stru	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Culverts:	Culverts: Inlets / Outlets			28 °	36.976928 °
item				-120.38210)3 °	-120.382103 °
DWR ID	DWR_NA0	010_29_t _ 201	2_7			
Action/Comments						
Inspector (Inspector Comments: Item does not exist on this structure.					

No Photos

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	& Concrete I	GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Culverts: Breaks / Holes /			36.97692	8 °	36.976928 °
item	Cracks			-120.38210	3°	-120.382103 °
DWR ID	DWR ID DWR_NA0010_29_t _ 2012_8					
Action/Comments						
Inspector (Comments	: Item does n	ot exist c	n this struct	ure	

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Metal Pipes		36.9769	28 °	36.976928	0	
item				-120.3821	03 °	-120.382103	0
DWR ID	DWR_NA0	010_29_t _ 201	2_9				
Action/Comments							
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Category	s & Concrete I	GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End
Item	Trash Racks			36.9769	28 °	36.976928 °
пеш				-120.3821	03 °	-120.382103 °
DWR ID	DWR_NA0	010_29_t _ 201	2_10			
Action/Comments						
Inspector	Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Flap Gates			36.97692	28 °	36.976928 °
пеш				-120.38210)3 °	-120.382103 °
DWR ID	DWR ID DWR_NA0010_29_t _ 2012_11					
Action/Comments						
Inspector (Comments	: Item does n	ot exist o	on this struc	ture	

No Photos

LM Start	0.00	Rating **	N	Issue No.		12
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start E		End
Item	Sluice/Slide Gates			36.97692	28 °	36.976928 °
пеш				-120.38210)3 °	-120.382103 °
DWR ID	DWR_NA0	010_29_t _ 201	2_12			
Action/Comments						
Inspector (Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End	
Item	Electric Gate Operators			36.9769	28 °	36.976928	0
пеш				-120.3821	03 °	-120.382103	0
DWR ID	DWR_NA0	010_29_t _ 201	2_13				
Action/Comments							
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		14		
LM End	0.00	Issue Type +	Ma	Location *				
Category	s & Concrete I	GPS Latitude/Longitude						
Calegory	Channels			Start		End		
Item	Manual Gate Operators			36.97692	28 °	36.976928 °		
item				-120.38210)3 °	-120.382103 °		
DWR ID	DWR ID DWR_NA0010_29_t _ 2012_14							
Action/Comments								
Inspector	Comments	Inspector Comments: Item does not exist on this structure.						

No Photos

			_			
LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS La	tituc	le/Longitude	
Category	Channels			Start		End
Item	Concrete Surfaces			36.97692	8 °	36.976928 °
пеш				-120.38210	3°	-120.382103 °
DWR ID	DWR_NA0	010_29_t _ 201	2_15			
Action/Comments						
Inspector (Comments	: No visible cı	acking o	n concrete	surf	aces.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	e/Longitude	
Category	Channels			Start		End	
Item	Concrete Tilting / Settlement			36.9769	28 °	36.976928 °	
item				-120.3821	03 °	-120.382103 °	
DWR ID	DWR_NA0	010_29_t _ 201	2_16				
Action/Comments							
Inspector (Inspector Comments: No visible settlement near the structure.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	& Concrete I	Lined	GPS Latitude/Longitude				
Calegory	Channels					End	
Item	Concrete Foundations			36.97692	8°	36.976928 °	
item				-120.38210	3 °	-120.382103 °	
DWR ID	DWR_NA0	010_29_t _ 201	2_17				
Action/Comments							
Inspector (Comments	: No visible m	ovemen	t near the st	ruc	ture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End	
Item	Security Fencing			36.9769	28 °	36.976928	0
item				-120.3821	03 °	-120.382103	0
DWR ID	DWR_NA0	010_29_t _ 201	2_18				
Action/Comments							
Inspector (Comments	: Item does n	ot exist o	on this struc	ture).	

No Photos

LM Start	0.00	Rating **	N	Issue No.		19
LM End	0.00	Issue Type +	Ма	Location *		
Category	s & Concrete I	GPS La	atitud	e/Longitude		
Calegory	Channels			Start		End
Item	Closure Structures			36.9769	28 °	36.976928 °
пеш				-120.3821	03 °	-120.382103 °
DWR ID	DWR_NA0	010_29_t _ 201	2_19			
Action/Comments						
Inspector (Comments	: Item does n	ot exist o	on this struc	ture	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		20
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels	Start		End		
Item	Trash Ral	ces		36.97692	28 °	36.976928 °
пеш				-120.38210)3 °	-120.382103 °
DWR ID	DWR_NA0	010_29_t _ 201	2_20			
Action/Comments						
Inspector (Comments	: Item does n	ot exist c	n this struc	ture	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Other Metallic Items			36.9769	28 °	36.976928	0
пеш				-120.3821	03 °	-120.382103	0
DWR ID	DWR_NA0	010_29_t _ 201	2_21				
Action/Comments							
Inspector (Comments	: No visible de	eteriorati	on.			

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	Lined	GPS La	titud	le/Longitude
Calegory	Channels			Start		End
Item	Monolith Joints			36.97692	28 °	36.976928 °
пеш				-120.38210)3 °	-120.382103 °
DWR ID	DWR_NA0	010_29_t _ 201	2_22			
Action/Comments						
Inspector (Comments	: Some minor	movem	ent at wing	wall	joint.



Photo 1 of 1: ST_2014_NA0010_29_22_20140812_00008.jpg

Looing at right wing wall.

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	GPS Latitude/Longitude				
Calegory	Channels					End
Item	Safety		36.97692	28 °	36.976928 °	
пеш				-120.38210)3 °	-120.382103 °
DWR ID	DWR_NA0	010_29_t _ 201	2_23			
Action/Comments						
Inspector (Comments	: No visible sa	afety issu	ues.		

No Photos

LM Start	0.00	Rating **	Α	Issue No.	24			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Category Channels		Start		End				
Itom	Item Operation & Maintenance Manual			36.9769	28 °	36.976928	٥	
пеш				-120.3821	03 °	-120.382103	٥	
DWR ID	DWR ID DWR_NA0010_29_t _ 2013_24							
Action/Comments								
Inspector Comments: The manual is on file in the office.								

No Photos

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Eastside Bypass Drop Structure No. 2

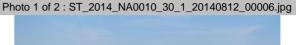
Structure Rating	Α
Date of Inspection	08/06/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Photo Documentation			36.97535	57 °	36.975357	٥
item				-120.37483	33 °	-120.374833	٥
DWR ID DWR_NA0010_30_t _ 2012_1							
Action/Comments							





Looking south at upstream side of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2: ST_2014_NA0010_30_1_20140812_00008.jpg



Looking south at an overview of structure.

LM Start	0.00	Rating **	Α	Issue No.	2			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Channels		Start		End				
Item	Vegetation & Obstructions			36.97535	57 °	36.975357 °		
пеш				-120.374833 °		-120.374833 °		
DWR ID	DWR_NA0	010_30_t _ 201	2_2					
Action/Comments								
Inspector Comments: No vegetation or obstructions that would imped								

No Photos

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Shoaling / Sedimentation			36.97535	7°	36.975357 °	
item	item			-120.37483	3°	-120.374833 °	
DWR ID DWR_NA0010_30_t _ 2012_3							
Action/Comments							
Inspector	Inspector Comments: No sedimentation or shoaling present.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels		Start		End			
Item	Erosion / Bank Caving			36.975357 °		36.975357	0
Item				-120.374833 °		-120.374833	0
DWR ID	DWR ID DWR_NA0010_30_t _ 2012_4						
Action/Comments							
Inspector Comments: No visible erosion or caving present.							

No Photos

	1						
LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels		Start		End			
Item	Revetments			36.9753	57 °	36.975357 °	
пеш	item			-120.37483	33 °	-120.374833 °	
DWR ID	DWR ID DWR_NA0010_30_t _ 2012_5						
Action/Comments							
Inspector (Comments	: Revetment a	appears	to be prope	rly n	naintained.	



Looking south at revetment on downstream side of structure.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Channels			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Encroach	Encroachments			57 °	36.975357 °	
пеш				-120.37483	33 °	-120.374833 °	
DWR ID	DWR_NA0	010_30_t _ 201	2_6				
	Action/Comments						
Inspector (Comments	: No visible e	ncroachr	nents.			

No Photos

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Culverts:	Culverts: Inlets / Outlets		36.9753	57 °	36.975357	0
Item				-120.3748	33 °	-120.374833	0
DWR ID	DWR_NA0	010_30_t _ 201	2_7				
	Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this	struc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			Lined	GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Culverts: Breaks / Holes /		s/	36.9753	57 °	36.975357 °	
item	Cracks			-120.3748	33 °	-120.374833 °	
DWR ID	DWR_NA0	010_30_t _ 201	2_8				
	Action/Comments						
Inspector	Comments	: This item do	es not e	xist at this s	truc	ture.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony		& Concrete I	ned GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Metal Pipe	Metal Pipes			7°	36.975357 °	
item				-120.37483	3°	-120.374833 °	
DWR ID	DWR_NA0	010_30_t _ 201	2_9				
	Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this s	truc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Trash Rad	rash Racks		36.9753	57 °	36.975357	0
item				-120.3748	33 °	-120.374833	0
DWR ID	DWR_NA0	010_30_t _ 201	2_10				
		Action/	Comme	nts			
Inspector (Comments	: This item do	es not e	xist at this	struc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels				GPS La	titud	le/Longitude	
Category	Channels			Start		End	
Item	Flap Gates		36.9753	57 °	36.975357 °		
item				-120.3748	33 °	-120.374833 °	
DWR ID	DWR_NA0	010_30_t _ 201	2_11				
	Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this	struc	ture.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony		& Concrete I	ncrete Lined GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Sluice/Slic	Sluice/Slide Gates			7°	36.975357 °	
item				-120.37483	3°	-120.374833 °	
DWR ID	DWR_NA0	010_30_t _ 201	2_12				
	Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this s	truc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ма	Location *			
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Electric G	Electric Gate Operators		36.9753	57 °	36.975357	0
пеш					33 °	-120.374833	0
DWR ID	DWR_NA0	010_30_t _ 201	2_13				
	Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this	struc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels		Start		End		
Item	Manual Gate Operators		36.9753	57 °	36.975357 °		
item				-120.3748	33 °	-120.374833 °	
DWR ID	DWR_NA0	010_30_t _ 201	2_14				
	Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this	struc	ture.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			Lined	GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Concrete Surfaces		36.97535	57 °	36.975357 °	
пеш				-120.37483	33 °	-120.374833 °
DWR ID	DWR_NA0	010_30_t _ 201	2_15			
Action/Comments						
Inspector (Comments	: No visible da	amage.			

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			Lined	GPS La	le/Longitude		
Calegory	Channels			Start		End	
Item	Concrete Tilting / Settlement			36.9753	57 °	36.975357	0
item				-120.3748	33 °	-120.374833	0
DWR ID	DWR_NA0	010_30_t _ 201	2_16				
	Action/Comments						
Inspector (Inspector Comments: No visible movement or settlement present.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Category				Start		End	
Item	Concrete Foundations			36.9753	57 °	36.975357	٥
пеш				-120.3748	33 °	-120.374833	0
DWR ID	DWR_NA0	010_30_t _ 201	2_17				
		Action/	Comme	nts			
Inspector (structure.	Comments	: No visible e	rosion or	underminir	ng n	ear the	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony		ctures & Concrete Lined GPS Latitude/Longitude			le/Longitude		
Category				Start		End	
Item	Security Fencing			36.97535	7 °	36.975357 °	
item				-120.37483	3°	-120.374833 °	
DWR ID	DWR_NA0	010_30_t _ 201	2_18				
Action/Comments							
Inspector (Comments	: This item do	es not e	xist at this s	truc	cture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			Lined	GPS Latitude/Longitude			
Channels			Start		End		
Item	Closure Structures		36.9753	57 °	36.975357	0	
item				-120.3748	33 °	-120.374833	0
DWR ID	DWR_NA0	010_30_t _ 201	2_19				
	Action/Comments						
Inspector (Inspector Comments: This item does not exist at this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony		s & Concrete I	GPS La	GPS Latitude/Longitude			
Channels				Start		End	
Item	Trash Rakes			36.9753	57 °	36.975357	0
Item				-120.3748	33 °	-120.374833	0
DWR ID	DWR_NA0	010_30_t _ 201	2_20				
Action/Comments							
Inspector (Comments	: This item do	es not e	xist at this	struc	cture.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Other Metallic Items			36.97535	57 °	36.975357 °
пеш				-120.37483	33 °	-120.374833 °
DWR ID	DWR_NA0	010_30_t _ 201	2_21			
Action/Comments						
Inspector (Comments	: This item do	es not e	xist at this s	truc	cture.

No Photos

		D :: ++				
LM Start	0.00	Rating **	M	Issue No.		22
LM End	0.00	Issue Type +	Ма	Location *		
Category Channels			_ined	GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Monolith Joints			36.97535	7 °	36.975357 °
Item				-120.37483	3°	-120.374833 °
DWR ID	DWR_NA0	010_30_t _ 201	2_22			
Action/Comments						
Inspector (Inspector Comments: Rubber seal deteriorated between joints.					

Photo 1 of 2: ST_2014_NA0010_30_22_20140710_00004.jpg



Looking at joint seperation on left side of structure (2013)

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at joint separation on left side of structure.

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En : Enforcement

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Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Safety			36.97535	57 °	36.975357 °	
пеш				-120.37483	33 °	-120.374833 °	
DWR ID	R ID DWR_NA0010_30_t _ 2012_23						
	Action/Comments						
Inspector (Comments	: No visible sa	afety haz	ards.			

No Photos

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels				Start		End	
Operation & Maintenance		36.9753	57 °	36.975357	0		
пеш	Manual			-120.3748	33 °	-120.374833	0
DWR ID	DWR_NA0	010_30_t _ 201	3_24				
Action/Comments							
Inspector Comments: The manual is on file in the office.							

No Photos

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Fresno River Drainage Structure	

Structure Rating	A
Date of Inspection	08/06/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		08/06/2014 08/06/2014	Richard Willoughby

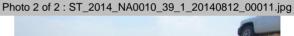
LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels				Start		End	
Item	Photo Documentation			36.9754	18 °	36.975418 °	
iteiii				-120.3595	78 °	-120.359578 °	
DWR ID	DWR_NA0	010_39_t _ 201	2_1				
Action/Comments							
Inspector Comments: Item appears to be acceptably maintained.							

Photo 1 of 2: ST_2014_NA0010_39_1_20140812_00010.jpg



Looking west at screw gates on downstream side of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Looking southwest at upstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.		2		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End			
Item	Vegetatio	getation & Obstructions			18 °	36.975418	0	
Item				-120.3595	78 °	-120.359578	0	
DWR ID	DWR_NA0	010_39_t _ 201	2_2					
Action/Comments								
Inspector Comments: No visible vegetation issues present.								

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Category			Start		End		
Shoaling / Sedim		Sedimentation	on	36.9754	18 °	36.975418 °		
пеш				-120.3595	78 °	-120.359578 °		
DWR ID	DWR_NA0010_39_t _ 2012_3							
Action/Comments								
Inspector (Inspector Comments: No shoaling or sedimentation issues visible.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ма	Location *			
Catagory	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion / Bank Caving			36.9754	8	36.975418 °	
пеш				-120.35957	78 °	-120.359578 °	
DWR ID	DWR_NA0	010_39_t _ 201	2_4				
Action/Comments							
Inspector Comments: No visible erosion.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Channels			Start		End		
Item	Revetments			36.9754	18 °	36.975418	0	
пеш				-120.3595	78 °	-120.359578	0	
DWR ID	DWR_NA0010_39_t _ 2012_5							
Action/Comments								
Inspector Comments: All revetment is in good condition.								

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	Lined	GPS Lat	tud	le/Longitude	
Calegory	Channels			Start		End
Item	Encroach	Encroachments			3°	36.975418 °
пеш				-120.35957	3°	-120.359578 °
DWR ID	DWR ID DWR_NA0010_39_t _ 2012_6					
Action/Comments						
Inspector (Comments	: No visible e	ncroachr	nents preser	ıt.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	Lined	GPS Lat	itud	e/Longitude	
Calegory	Channels			Start		End
Item	Culverts:	Culverts: Inlets / Outlets		36.97541	8 °	36.975418 °
item				-120.35957	8 °	-120.359578 °
DWR ID	DWR_NA0	010_39_t _ 201	2_7			
Action/Comments						
Inspector Comments: No visible debris blocking item.						



Looking west at overview of inlet.

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures	GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Culverts: Breaks / Holes /			36.9754	18 °	36.975418 °
item	Cracks			-120.35957	78 °	-120.359578 °
DWR ID	DWR_NA0	010_39_t _ 201	2_8			
Action/Comments						
Inspector Comments: No visible problems present.						

No Photos

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	& Concrete I	Lined	GPS La	titud	e/Longitude	
Calegory	Channels					End
Item	Metal Pipes			36.9754	18 °	36.975418 °
пеш				-120.35957	78 °	-120.359578 °
DWR ID	DWR ID DWR_NA0010_39_t _ 2012_9					
Action/Comments						
Inspector (Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Trash Racks		36.9754	18 °	36.975418	٥	
item				-120.3595	78 °	-120.359578	٥
DWR ID	DWR_NA0010_39_t _ 2012_10						
Action/Comments							
Inspector Comments: Item does not exist on this structure.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	Lined	GPS La	titud	e/Longitude
Calegory	Channels			Start		End
Item	Flap Gates			36.9754	18 °	36.975418 °
item				-120.35957	78 °	-120.359578 °
DWR ID	DWR ID DWR_NA0010_39_t _ 2012_11					
Action/Comments						
Inspector Comments: Flap gates appear and good condition.						



Photo 1 of 1: ST_2014_NA0010_39_11_20140812_00012.jpg

Looking east at flap gates on downstream side of structure.

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Sluice/Slice		36.9754	18 °	36.975418 °	
пеш				-120.3595	78 °	-120.359578 °
DWR ID	DWR_NA0	010_39_t _ 201	2_12			
Action/Comments						
Inspector Comments: Slide gates appear in good condition.						



Looking at typical view of slide gate located inside can.

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Calegory	Channels			Start		End
Item	Electric Gate Operators			36.9754	18 °	36.975418 °
item				-120.3595	78 °	-120.359578 °
DWR ID	DWR_NA0	010_39_t _ 201	2_13			
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		14
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Manual G	Manual Gate Operators			18 °	36.975418 °
пеш				-120.35957	78 °	-120.359578 °
DWR ID	DWR_NA0	010_39_t _ 201	2_14			
Action/Comments						
Inspector Comments: Missing wheel on screw gate.						



Looking south at screw gates

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Concrete Surfaces			36.97541	8 °	36.975418 °
Item				-120.35957	′8 °	-120.359578 °
DWR ID	DWR ID DWR_NA0010_39_t _ 2012_15					
Action/Comments						
Inspector	Comments	: No visible ci	racking c	n concrete:	surf	aces.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined Channels			GPS La	atituc	de/Longitude	
Calegory				Start		End	
Item	Concrete Tilting / Settlement			36.9754	18 °	36.975418	0
пеш				-120.3595	78 °	-120.359578	0
DWR ID	DWR_NA0	010_39_t _ 201	2_16				
Action/Comments							
Inspector (Inspector Comments: No visible tilting or settlement present.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Category	Channels			Start		End	
Item	Concrete Foundations			36.9754	18 °	36.975418 °	
пеш				-120.3595	78 °	-120.359578 °	
DWR ID	DWR_NA0	010_39_t _ 201	2_17				
Action/Comments							
Inspector (Inspector Comments: No foundation problems visible.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		18
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			ed GPS Latitude/Longitude			
Calegory	Category				End	
Item	Security Fencing			36.97541	8 °	36.975418 °
item				-120.35957	8 °	-120.359578 °
DWR ID	DWR ID DWR_NA0010_39_t _ 2012_18					
Action/Comments						
Inspector (Comments	: Item does n	ot exist c	n this struct	ure	

No Photos

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atituc	de/Longitude		
Calegory	Channels			Start		End	
Item	Closure Structures			36.9754	18 °	36.975418	0
пеш				-120.3595	78 °	-120.359578	0
DWR ID	DWR_NA0	010_39_t _ 201	2_19				
Action/Comments							
Inspector Comments: Item does not exist on this structure.							

No Photos

LM Start	0.00	Rating **	N	Issue No.		20
LIVI Start		<u> </u>				
LM End	0.00	Issue Type +	Ma	Location *		
Category	s & Concrete I	GPS La	atitud	le/Longitude		
Category	Channels			Start		End
Item	Trash Rakes			36.9754	18 °	36.975418 °
пеш				-120.3595	78 °	-120.359578 °
DWR ID	DWR_NA0	010_39_t _ 201	2_20			
Action/Comments						
Inspector (Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No.		21
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	GPS Latitude/Longitude				
Calegory	Channels	Start		End		
Item	Other Metallic Items			36.9754	18 °	36.975418 °
пеш				-120.3595	78 °	-120.359578 °
DWR ID DWR_NA0010_39_t _ 2012_21						
Action/Comments						
Inspector (Comments	: Minor corros	sion seer	n on flap ga	tes.	



Looking at flap gates on downstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	titud	le/Longitude	
Calegory	Channels			Start		End
Item	Monolith Joints			36.9754	18 °	36.975418 °
item				-120.3595	78 °	-120.359578 °
DWR ID	DWR_NA0	010_39_t _ 201	2_22			
Action/Comments						
Inspector Comments: No joint problem visible.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS La	tituc	le/Longitude	
Calegory	Channels			Start		End
Item	Safety			36.9754	18 °	36.975418 °
item				-120.35957	78 °	-120.359578 °
DWR ID	DWR_NA0	010_39_t _ 201	2_23			
Action/Comments						
Inspector (Inspector Comments: No safety issues visible.					

No Photos

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Itom	Item Operation & Maintenance Manual			36.9754	18 °	36.975418 °
Item				-120.35957	78 °	-120.359578 °
DWR ID	DWR ID DWR_NA0010_39_t _ 2013_24					
Action/Comments						
Inspector Comments: The manual is on file in the office.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Mariposa Bypass Control Structure	

Structure Rating	Α
Date of Inspection	08/05/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	art 0.00	Rating **	N	Issue No.	1		
LM End	o.00	Issue Type +	Ma	Location *	WS		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Photo Documentation		37.20153	8 °	37.201538 °			
item					3°	-120.694813 °	
DWR ID	ID DWR_NA0	DWR_NA0010_44_t _ 2012_1					
Action/Comments							
	ID DWR_NA0		Comme				

Inspector Comments: Item appears to be adequately maintained and able to perform as intended.



Looking south at downstream side of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	WS



Looking south at upstream side of structure.

Photo 3 of 3: ST_2014_NA0010_44_1_20140812_00013.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	WS



Looking south at top of structure.

* Location

LS : Land Side

WS : Water Side

CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *		WS	
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	Vegetatio	/egetation & Obstructions			38 °	37.201538 °	
пеш				-120.6948	13 °	-120.694813 °	
DWR ID	DWR ID DWR_NA0010_44_t _ 2012_2						
Action/Comments							
Inspector Comments: No visible vegetation or obstructions impeding							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category Changels			Lined	GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Shoaling /	/ Sedimentation	37.2015	38 °	37.201538	0	
пеш					13 °	-120.694813	0
DWR ID	WR ID DWR_NA0010_44_t _ 2012_3						
Action/Comments							
Inspector Comments: No sedimentation build-up or shoaling near the structure.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		4		
LM End	0.00	Issue Type +	Ma	Location *	WS			
Category		Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End		
Item	Erosion / Bank Caving			37.2015	38 °	37.201538	٥	
пеш				-120.6948	13 °	-120.694813	0	
DWR ID	DWR ID DWR_NA0010_44_t _ 2012_4							
Action/Comments								
Inspector Comments: No visible erosion near the structure.								

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *	WS	
Category	& Concrete I	GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Revetments			37.2015	38 °	37.201538 °
item				-120.6948	13 °	-120.694813 °
DWR ID	DWR ID DWR_NA0010_44_t _ 2012_5					
Action/Comments						
Inspector (Comments	: All revetmer	nts appea	ar to be pro	perly	/ maintained.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		WS
Structures & Concrete Lined			GPS La	atituc	le/Longitude	
Calegory	Channels			Start		End
Item	Encroach	Encroachments			38 °	37.201538 °
item				-120.6948	13 °	-120.694813 °
DWR ID	DWR_NA0	010_44_t _ 201	2_6			
Action/Comments						
Inspector (Inspector Comments: No encroachments near the structure.					

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *	WS	
Category	Structures & Concrete Lined Channels			GPS La	tituc	le/Longitude
Calegory				Start		End
Item	Culverts:	Culverts: Inlets / Outlets			88°	37.201538 °
item				-120.69481	ı3°	-120.694813 °
DWR ID	DWR_NA0	010_44_t _ 201	2_7			
Action/Comments						
Inspector (Inspector Comments: No debris blocking culverts.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *	WS	
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Category Channels			Start		End
Item	Culverts: Breaks / Holes /			37.20153	88 °	37.201538 °
item	Cracks			-120.69481	ı3°	-120.694813 °
DWR ID	DWR ID DWR_NA0010_44_t _ 2012_8					
Action/Comments						
Inspector (Inspector Comments: No visible damage to culverts.					

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels			Start E		End	
Item	Metal Pipes		37.2015	38 °	37.201538	0	
пеш				-120.6948	13 °	-120.694813	0
DWR ID	DWR_NA0	010_44_t _ 201	2_9				
Action/Comments							
Inspector (Comments	: Item does n	ot exist o	on this struc	ture		

No Photos

LM Start	0.00	Rating **	Α	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category	Structures & Concrete Lined Channels			GPS La	tituc	le/Longitude	
Calegory				Start		End	
Item	Trash Racks			37.20153	88°	37.201538 °	
пеш				-120.69481	13 °	-120.694813 °	
DWR ID	DWR_NA0	010_44_t _ 201	2_10				
Action/Comments							
Inspector Comments: Track rack on manual control gate in good condition.							



Looking southwest at trash rack on downstream side of structure.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		WS
Category	& Concrete	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Flap Gates			37.20153	38 °	37.201538 °
пеш				-120.69481	13 °	-120.694813 °
DWR ID	DWR_NA0	010_44_t _ 201	2_11			
Action/Comments						
Inspector (Comments	: Item does n	ot exist c	n this struc	ture	

No Photos

LM Start	0.00	Rating **	Α	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *		WS	
Catagony	Category Structures & Concrete Lined Channels			GPS La	titud	le/Longitude	
Calegory				Start		End	
Item	Sluice/Slide Gates			37.2015	38 °	37.201538	0
пеш				-120.6948	13 °	-120.694813	0
DWR ID	DWR_NA0	010_44_t _ 201	2_12				
	Action/Comments						
Inspector (inspected.	Comments	: No visible d	amage, s	sediment or	obs	turctions	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		13
LM End	0.00	Issue Type +	Ма	Location *		WS
Structures & Concrete Lined				GPS La	titud	e/Longitude
Category	Channels	Channels				End
Item	Electric G	Electric Gate Operators			38 °	37.201538 °
пеш				-120.69481	13 °	-120.694813 °
DWR ID	DWR_NA0	010_44_t _ 201	2_13			
Action/Comments						
Inspector Comments: Electrical gates appear to be in proper working condition.						



Looking south at typical view of electric gates on downstream side of structure.

Location LS : Land Side WS: Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)			
LM End	0.00	Issue Type +	Ma	Location *	WS			
Category	Structures	GPS La	atitud	le/Longitude				
Calegory	Channels		Start		End			
Item	Electric Gate Operators			37.2015	38 °	37.201538 °		
пеш				-120.6948	13 °	-120.694813 °		
DWR ID	DWR_NA0	010_44_t _ 201	2_13					
Action/Comments								
Inspector Comments: Electrical gates appear to be in proper working condition.								

Photo 2 of 2: ST_2014_NA0010_44_13_20140710_00008.jpg



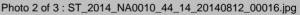
Looking south at typical view of electric gate operators on downstream side of structure.

0.00	Rating **	М	Issue No.	14				
0.00	Issue Type +	Ma	Location *	WS				
Structures & Concrete Lined				atitud	le/Longitude			
Channels			Start		End			
Manual Gate Operators			37.2015	38 °	37.201538 °			
			-120.6948	13 °	-120.694813 °			
DWR_NA0	010_44_t _ 201	3_14						
Action/Comments								
Inspector Comments: Manual gate stem bent.								
	0.00 Structures Channels Manual G	0.00 Issue Type + Structures & Concrete I Channels Manual Gate Operators DWR_NA0010_44_t _ 201 Action/	0.00 Issue Type + Ma Structures & Concrete Lined Channels Manual Gate Operators DWR_NA0010_44_t _ 2013_14 Action/Commen	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Late Start Manual Gate Operators 37.2015 -120.6948 DWR_NA0010_44_t _ 2013_14 Action/Comments	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Latitude Manual Gate Operators 37.201538 ° -120.694813 ° DWR_NA0010_44_t _ 2013_14 Action/Comments			



Looking at south at bent stem on manual gate on downstream side of structure

LM Start	0.00	Rating **	М	Issue No.	14 (cont)
LM End	0.00	Issue Type +	Ma	Location *	WS





Looking north at manual gate operator on downstream side of structure.

Location LS : Land Side WS: Water Side Rating

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

A/W: Acceptable but Monitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No.	14 (cont)			
LM End	0.00	Issue Type +	Ma	Location *	WS			
Structures & Concrete Lined				GPS La	atitud	le/Longitude		
Calegory	Channels					End		
Item	Manual Gate Operators				38 °	37.201538 °		
item				-120.6948	13 °	-120.694813 °		
DWR ID	DWR_NA0	010_44_t _ 201	3_14					
Action/Comments								
Inspector Comments: Manual gate stem bent.								



Looking southeast at bent stem on manual gate on downstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined				GPS La	atitud	le/Longitude	
Calegory	Category Channels					End	
Item	Concrete Surfaces			37.2015	38 °	37.201538 °	
Item				-120.6948	13 °	-120.694813 °	
DWR ID	DWR_NA0	010_44_t _ 201	2_15				
Action/Comments							
Inspector Comments: No visible damage to concrete surfaces.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16		
LM End	0.00	Issue Type +	Ма	Location *	WS			
Structures & Concrete Lined			GPS La	atitud	le/Longitude			
Category	Channels			Start		End		
Item	Concrete Tilting / Settlement			37.2015	38 °	37.201538 °		
item				-120.6948	13 °	-120.694813 °		
DWR ID	DWR_NA0	010_44_t _ 201	2_16					
Action/Comments								
Inspector Comments: No visible movement along the structure.								

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	17				
LM End	0.00	Issue Type +	Ma	Location *	WS				
Category	& Concrete I	GPS La	titud	e/Longitude					
Calegory	Channels					End			
Item	Concrete Foundations			37.20153	38 °	37.201538 °			
пеш	item				13 °	-120.694813 °			
DWR ID	DWR ID DWR_NA0010_44_t _ 2012_17								
Action/Comments									
Inspector (Comments	: No visible ui	ndermini	ng near the	stru	icture.			

No Photos

LM Start	0.00	Rating **	N	Issue No.	18			
LM End	0.00	Issue Type +	Ma	Location *	WS			
Structures & Concrete Lined			GPS La	tituc	le/Longitude			
Category	Channels			Start		End		
Item	Security Fencing			37.20153	88 °	37.201538 °		
пеш				-120.69481	3°	-120.694813 °		
DWR ID	DWR_NA0	010_44_t _ 201	2_18					
Action/Comments								
Inspector Comments: Item does not exist on this structure.								

No Photos

LM Start	0.00	Rating **	N	Issue No.		19		
LM End	0.00	Issue Type +	Ma	Location *		WS		
Structures & Concrete Lined				GPS La	atitud	e/Longitude		
Calegory	Channels			Start		End		
Item	Closure Structures			37.2015	38 °	37.201538 °		
пеш				-120.6948	13 °	-120.694813 °		
DWR ID	DWR_NA0	010_44_t _ 201	2_19					
Action/Comments								
Inspector Comments: Item does not exist on this structure.								

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Itom	Item Trash Rakes			37.201538°		37.201538 °	
пеш				-120.6948	13 °	-120.694813 °	
DWR ID DWR_NA0010_44_t _ 2012_20							
Action/Comments							
Inspector Comments: Item does not exist on this structure.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	21		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined				ed GPS Latitude/Longitu			
Calegory	Channels					End	
Item	Other Metallic Items			37.2015	38 °	37.201538	c
nem				-120.6948	13 °	-120.694813	c
DWR ID	DWR_NA0	010_44_t _ 201	2_21				
Action/Comments							
Inspector Comments: No visible corrosion.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	22	
LM End	0.00	Issue Type +	Ma	Location *	WS	
Catagony	Category Structures & Concrete Lined Channels			oncrete Lined GPS Latitude/Longitude		
Calegory				Start		End
Item	Monolith .	Monolith Joints			38 °	37.201538°
item			-120.6948	13 °	-120.694813 °	
DWR ID	DWR_NA0	010_44_t _ 201	2_22			
Action/Comments						
Inspector Comments: Minor joint cracking on curve on south end of upstream side of structure.						



Looking east at minor crack on joint at top of structure on the downstream side of structure.

* Location LS : Land Side WS: Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En : Enforcement

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Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	Safety			37.20153	88 °	37.201538 °	
пеш				-120.69481	ı3°	-120.694813 °	
DWR ID DWR_NA0010_44_t _ 2012_23							
Action/Comments							
Inspector Comments: No safety hazards visible.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	24			
LM End	0.00	Issue Type +	Ma	Location *	WS			
Structures & Concrete Lined				GPS La	atitud	le/Longitude		
Calegory	Channels					End		
Item	Operation & Maintenance			37.2015	38 °	37.201538	0	
пеш	Manual				13 °	-120.694813	0	
DWR ID	DWR ID DWR_NA0010_44_t _ 2013_24							
Action/Comments								
Inspector Comments: The manual is on file in the office.								

No Photos

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Mariposa Bypass Drop Structure	

Structure Rating	Α
Date of Inspection	08/05/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		08/05/2014 08/05/2014	Richard Willoughby

0.00	Rating **	Ν	Issue No.		1			
0.00	Issue Type +	Ma	Location *					
Structures & Concrete Lined				GPS Latitude/Longitude				
Category Channels			Start		End			
Photo Documentation			37.20122	7 °	37.201227 °			
Item				3°	-120.755223 °			
DWR ID DWR_NA0010_31_t _ 2012_1								
Action/Comments								
	0.00 Structures Channels Photo Doo	0.00 Issue Type + Structures & Concrete I Channels Photo Documentation DWR_NA0010_31_t _ 201:	0.00 Issue Type + Ma Structures & Concrete Lined Channels Photo Documentation DWR_NA0010_31_t_2012_1	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Lat Photo Documentation 37.20122 -120.75522 DWR_NA0010_31_t _ 2012_1	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Latitude Photo Documentation 37.201227 ° -120.755223 ° DWR_NA0010_31_t _ 2012_1			

Inspector Comments: Structure appears to be maintained and able to perform as intended.



Looking east at overview of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST_2014_NA0010_31_1_20140812_00009.jpg



Looking south at left wing wall.

Photo 3 of 4: ST_2014_NA0010_31_1_20140812_00010.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



Looking south at overview of structure.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

ntain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.). 1 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Category Changele			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Photo Documentation			37.20122	?7°	37.201227 °	
item				-120.75522	23 °	-120.755223 °	
DWR ID	DWR_NA0	010_31_t _ 201	2_1				
Action/Comments							
Inspector (Comments	: Structure ap	pears to	be maintair	ned	and able to	

Photo 4 of 4: ST_2014_NA0010_31_1_20140812_00011.jpg



Looking south at upstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels				End	
Item	Vegetation & Obstructions			37.2012	27 °	37.201227 °	
item				-120.7552	23 °	-120.755223 °	
DWR ID	DWR_NA0	010_31_t _ 201	2_2				
Action/Comments							
Inspector (Comments	: No vegetation	on or obs	structions ne	ar t	the structure	

that would imped the flow.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Shoaling / Sedimentation			37.2012	27 °	37.201227	0	
				-120.7552	23 °	-120.755223	0	
DWR ID	DWR_NA0	010_31_t _ 201	2_3					
	Action/Comments							
Inspector (Comments	: No sedimen	tation bu	ild-up or sh	oali	ng near the		

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

* Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion / Bank Caving			37.20122	7°	37.201227 °	
item				-120.75522	3 °	-120.755223 °	
DWR ID	DWR ID DWR_NA0010_31_t _ 2012_4						
Action/Comments							
Inspector (Comments	: No erosion r	near the	structure.			

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Revetments			37.2012	27 °	37.201227	0
				-120.7552	23 °	-120.755223	0
DWR ID	DWR_NA0	010_31_t _ 201	2_5				
Action/Comments							
Inspector (Inspector Comments: No existing revetments at structure site.						

No Photos

	LM Start	0.00	Rating **	Α	Issue No.		6	
	LM End	0.00	Issue Type +	Ma	Location *			
	Cotogon	Structures & Concrete Lined			GPS Latitude/Longitude			
		Channels		Start		End		
	Item	Encroachments			37.2012	27 °	37.201227	0
					-120.755223 °		-120.755223 °	
	DWR ID	DWR_NA0	010_31_t _ 201	2_6				
	Action/Comments							
	Inspector Comments: No visible encroachments near the structure.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Culverts:	Culverts: Inlets / Outlets			27 °	37.201227 °	
пеш				-120.75522	23 °	-120.755223 °	
DWR ID	DWR_NA0	010_31_t _ 201	2_7			·	
Action/Comments							
Inspector	Comments	: Item does n	ot exist o	on this struct	ture		

No Photos

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			Lined	GPS La	atituc	le/Longitude	
Calegory	Channels			Start		End	
Item	Culverts: Breaks / Holes /		37.2012	27 °	37.201227	0	
пеш	Cracks			-120.7552	23 °	-120.755223	0
DWR ID	DWR_NA0	010_31_t _ 201	2_8				
Action/Comments							
Inspector Comments: Item does not exist on this structure.							

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			Lined	GPS Latitude/Longitude			
Category	Channels	Channels				End	
Item	Metal Pip	Metal Pipes			27 °	37.201227 °	
item				-120.75522	23 °	-120.755223 °	
DWR ID	DWR_NA0	010_31_t _ 201	2_9				
Action/Comments							
Inspector Comments: Item does not exist on this structure.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Trash Racks			37.201227 °		37.201227 °
пеш				-120.7552	23 °	-120.755223 °
DWR ID DWR_NA0010_31_t _ 2012_10						
Action/Comments						
Inspector (Comments	: Item does n	ot exist o	n this struc	ture	

No Photos

LM Start	0.00	Rating **	N	Issue No.		11
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category		Start		End	
Item	Flap Gates			37.20122	27 °	37.201227 °
пеш				-120.75522	23 °	-120.755223 °
DWR ID	DWR_NA0	010_31_t _ 201	2_11			
Action/Comments						
Inspector (Comments	: Item does n	ot exist c	on this struc	ture).

No Photos

LM Start	0.00	Rating **	N	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels				End
Item	Sluice/Slide Gates			37.2012	27 °	37.201227 °
пеш				-120.7552	23 °	-120.755223 °
DWR ID	DWR_NA0	010_31_t _ 201	2_12			
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Electric G	Electric Gate Operators			27 °	37.201227 °
пеш				-120.75522	23 °	-120.755223 °
DWR ID	DWR ID DWR_NA0010_31_t _ 2012_13					
Action/Comments						
Inspector (Comments	: Item does n	ot exist o	n this struc	ture	

No Photos

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Manual G	Manual Gate Operators			27 °	37.201227	0
item				-120.7552	23 °	-120.755223	0
DWR ID	DWR_NA0	010_31_t _ 201	2_14				
Action/Comments							
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category		Start		End			
Item	Concrete Surfaces			37.201227 °		37.201227	0
item				-120.755223 °		-120.755223	0
DWR ID	DWR_NA0	010_31_t _ 201	2_15				
		Action/	Comme	nts			
Inspector Comments: No visible damage to concrete surface.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Concrete	Concrete Tilting / Settlement			27 °	37.201227 °
пеш				-120.75522	23 °	-120.755223 °
DWR ID	DWR ID DWR_NA0010_31_t _ 2012_16					
Action/Comments						
Inspector (Comments	: Minor tiltina	visible o	n left wina v	vall.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Concrete Foundations		37.20122	27 °	37.201227 °	
пеш				-120.75522	23 °	-120.755223 °
DWR ID	DWR_NA0	010_31_t _ 201	2_17			
Action/Comments						
Inspector (Comments	: No visible u	ndermini	ng near the	stru	ıcture.

No Photos

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End	
Item	Security Fencing			37.201227 °		37.201227	0
item				-120.7552	23 °	-120.755223	0
DWR ID	DWR_NA0	010_31_t _ 201	2_18				
Action/Comments							
Inspector Comments: Item does not exist on this structure.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	titud	le/Longitude	
Category Channels			Start		End		
Item	Closure Structures			37.201227 °		37.201227 °	
пеш				-120.75522	23 °	-120.755223 °	
DWR ID	DWR ID DWR_NA0010_31_t _ 2012_19						
Action/Comments							
Inspector (Comments	: Item does n	ot exist o	on this struct	ture		

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	Channels			Start		
Item	Trash Rakes			37.2012	27 °	37.201227	0
item				-120.7552	23 °	-120.755223	0
DWR ID	DWR_NA0	010_31_t _ 201	2_20				
Action/Comments							
Inspector Comments: Item does not exist on this structure.							

No Photos

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	de/Longitude			
Calegory	Channels			Start		End	
Item	Other Met	Other Metallic Items			?7°	37.201227 °	
item				-120.75522	23 °	-120.755223 °	
DWR ID	DWR_NA0	010_31_t _ 201	2_21				
Action/Comments							
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	le/Longitude	
Channels				Start		End	
Item	Monolith Joints			37.201227 °		37.201227 °	
item				-120.755223 °		-120.755223 °	
DWR ID	DWR_NA0	010_31_t _ 201	2_22				
Action/Comments							
Inspector (Inspector Comments: Some movement at left wing wall joints.						



Looking north at left wing wall.

LM Start	0.00	Rating **	Α	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at top of left wing wall.

LM Start	0.00	Rating **	Α	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at top of left wing wall with no rubber gasket in joint.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Channels			Start		End		
Item	Safety				7°	37.201227 °	
item				-120.75522	3 °	-120.755223 °	
DWR ID	DWR ID DWR_NA0010_31_t _ 2012_23						
Action/Comments							
Inspector (Comments	: No visible sa	afety haz	ards.			

No Photos

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ма	Location *			
Category Structures & Concrete Lined Channels			GPS La	tituc	le/Longitude		
			Start		End		
Item	Operation & Maintenance			37.20122	?7°	37.201227 °	
пеш	Manual			-120.75522	23 °	-120.755223 °	
DWR ID	DWR_NA0	010_31_t _ 201	3_24				
Action/Comments							
Inspector (Inspector Comments: The manual is on file in the office.						

No Photos

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Owens Creek Control Structure	

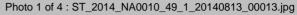
Structure Rating	M
Date of Inspection	08/05/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS La	ituc	le/Longitude
Calegory				Start		End
Item	Photo Documentation			37.21978	8 °	37.219788 °
item				-120.69805	8 °	-120.698058 °
DWR ID DWR_NA0010_49_t _ 2012_1						
Action/Comments						





Looking north at overview of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4: ST_2014_NA0010_49_1_20140710_00002.jpg



Looking south at overview of structure.

Photo 3 of 4: ST_2014_NA0010_49_1_20140813_00014.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at upstream side of structure.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
ltom	Item Photo Documentation			37.219788 °		37.219788 °
item				-120.6980	58 °	-120.698058 °
DWR ID DWR_NA0010_49_t _ 2012_1						
Action/Comments						

Photo 4 of 4: ST_2014_NA0010_49_1_20140813_00015.jpg



Looking at downstream side of structure.

	0.00	Dating **	Δ.	Issue No.		
LM Start	0.00	Rating **	Α	issue ivo.	2	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS La	tituc	le/Longitude
Calegory	Channels		Start		End	
Item	Vegetatio	Vegetation & Obstructions			88°	37.219788 °
item				-120.69805	58 °	-120.698058 °
DWR ID	DWR_NA0	010_49_t _ 201	2_2			
	Action/Comments					
Inspector Comments: No visible vegetation or obstructions to impede flow.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined		rete Lined GPS Latitude/Longitud			le/Longitude	
Calegory	Channels Start			Start		End	
Itom	Item Shoaling / Sedimentation			37.219788 °		37.219788	٥
пеш				-120.6980	58 °	-120.698058	٥
DWR ID	DWR_NA0	010_49_t _ 201	2_3				
		Action/	Comme	nts			
Inspector	Inspector Comments: No sedimentation or shoaling visible.						

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No.		4
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Erosion / Bank Caving			37.2197	38 °	37.219788 °
item				-120.6980	58 °	-120.698058 °
DWR ID DWR_NA0010_49_t _ 2012_4						
Action/Comments						

Inspector Comments: There is some cracking and animal borrowing occurring on levee embankment on the upstream side near the right wing wall and on the downstream side near the left wing wall. LMA brought in fill material to backfill holes and erosion sites.



Looking at braces on left wing wall 2014

LM Start	0.00	Rating **	М	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at new braces on wing wall. 2013

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Category	Channels			Start		End
Item	Revetments			37.2197	88 °	37.219788 °
item				-120.6980	58 °	-120.698058 °
DWR ID	DWR_NA0	010_49_t _ 201	2_5			
Action/Comments						
Inspector (Comments	: Revetment	appears	to be prope	rly n	naintained.

No Photos

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Encroachments			37.2197	88 °	37.219788 °	
пеш				-120.6980	58 °	-120.698058 °	
DWR ID	DWR_NA0	010_49_t _ 201	2_6				
	Action/Comments						
Inspector (Comments	: No encroacl	nments v	risible.			

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End	
Item	Culverts: Inlets / Outlets		37.2197	88 °	37.219788	0	
Item				-120.6980	58 °	-120.698058	0
DWR ID	DWR_NA0	010_49_t _ 201	2_7				
	Action/Comments						
Inspector (Comments	: No visible d	ebris blo	cking the cu	ılveı	rts.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atituc	de/Longitude	
Category	Channels	els		Start		End	
Item	Culverts: Breaks / Holes		s/	37.2197	88 °	37.219788	٥
item	Cracks			-120.6980	58 °	-120.698058	٥
DWR ID	DWR_NA0	010_49_t _ 201	2_8				
		Action/	Comme	nts			
Inspector	Comments	: No visible d	amage to	culverts.			

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Metal Pipe	es		37.21978	88 °	37.219788 °
Item				-120.69805	8 °	-120.698058 °
DWR ID	DWR_NA0	010_49_t _ 201	2_9			
Action/Comments						
Inspector (Comments	: Item does n	ot exist o	on this struct	ture	

No Photos

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End	
Item	Trash Racks			37.2197	88 °	37.219788	0
item				-120.6980	58 °	-120.698058	0
DWR ID	DWR_NA0	010_49_t _ 201	2_10				
	Action/Comments						
Inspector (Comments	: Item does n	ot exist c	on this struc	ture		

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Flap Gates			37.2197	88 °	37.219788 °	
item				-120.6980	58 °	-120.698058 °	
DWR ID	DWR_NA0	010_49_t _ 201	2_11				
Action/Comments							
Inspector	Comments	: Item does n	ot exist o	on this struc	ture		

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Category	s & Concrete I	Lined	GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Sluice/Slide Gates			37.21978	88 °	37.219788 °	
пеш				-120.69805	8 °	-120.698058 °	
DWR ID	DWR_NA0	010_49_t _ 201	2_12				
	Action/Comments						
Inspector	Comments	: Item does n	ot exist c	on this struct	ture		

No Photos

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End	
Item	Electric G	ate Operators	3	37.2197	88 °	37.219788	٥
item				-120.6980	58 °	-120.698058	۰
DWR ID	DWR_NA0	010_49_t _ 201	2_13				
Action/Comments							
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		14
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS La	titud	e/Longitude	
Calegory	Channels			Start		End
Item	Manual G	ate Operators	;	37.2197	88 °	37.219788 °
пеш				-120.6980	58 °	-120.698058 °
DWR ID	DWR_NA0	010_49_t _ 201	2_14			
Action/Comments						
Inspector (Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	titud	e/Longitude	
Calegory	Channels	Channels			Start		
Item	Concrete	Surfaces		37.21978	8 °	37.219788	0
пеш				-120.69805	8 °	-120.698058	0
DWR ID	DWR_NA0010_49_t _ 2012_15						
	Action/Comments						

Inspector Comments: Small cracking on upstream left and right wing walls. LMA installed metal braces to stabilize the wing walls on the upstream and downstream sides of the structure.

Photo 1 of 7: ST_2014_NA0010_49_15_20140813_00017.jpg



Looking at left wing wall on upstream side of structure 2014

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 7: ST_2014_NA0010_49_15_20140710_00005.jpg



Looking at left wing wall on upstream side of structure.

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



Looking at right wing wall on upstream side of structure. Minor crack on wall.

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No. 15 (cont)		15 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	titud	le/Longitude
Category	Channels	annels				End
Item	Concrete	Surfaces		37.21978	38 °	37.219788 °
пеш				-120.69805	58 °	-120.698058 °
DWR ID	DWR_NA0	010_49_t _ 201	2_15			
Action/Comments						
Inspector Comments: Small cracking on upstream left and right wing						

Photo 4 of 7 : ST_2014_NA0010_49_15_20140710_00006.jpg



Looking at right wing wall on upstream side of structure.

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 7: ST_2014_NA0010_49_15_20140710_00007.jpg



Looking at left wing wall on downstream side of structure.

Photo 6 of 7: ST_2014_NA0010_49_15_20140813_00019.jpg

 LM Start
 0.00
 Rating **
 M
 Issue No.
 15 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *



Looking at right wing wall on downstream side of structure.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected 4/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No.		15 (cont)	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS La	titud	le/Longitude		
Category	Channels			Start		End	
Item	Concrete	Surfaces		37.2197	88 °	37.219788	0
item				-120.6980	58 °	-120.698058	0
DWR ID	DWR_NA0	010_49_t _ 201	2_15				
Action/Comments							
Inspector Comments: Small cracking on upstream left and right wing							

Photo 7 of 7: ST_2014_NA0010_49_15_20140813_00018.jpg



Looking southeast at left wing wall.

LM Start	0.00	Rating **	М	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	titud	le/Longitude
Calegory	Channels		Start		End	
Item	Concrete	Tilting / Settle	ment	37.2197	88 °	37.219788 °
пеш				-120.6980	58 °	-120.698058 °
DWR ID	DWR_NA0	010_49_t _ 201	2_16			
Action/Comments						
Inspector (Inspector Comments: Concrete tilting/settlement on upstream and					

downstream left wing walls has been stabilized by the LMA.

Photo 1 of 2: ST_2014_NA0010_49_16_20140710_00009.jpg



Looking west at brace on right wing wall on downstream side of structure. Summer 2012

LM Start	0.00	Rating **	М	Issue No.	16 (cont)
I M End	0.00	Issue Type +	Ma	Location *	





Looking at repaired right wing wall on downstream side of structure. Summer 2012

Location LS : Land Side WS: Water Side $\mathsf{CR}:\mathsf{Crown}$

Rating

: Acceptable : Minimally Acceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En : Enforcement

Tuesday, October 14, 2014 09:55 **FINAL DATA** Page 9 of 13

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Concrete	Concrete Foundations			88 °	37.219788 °	
пеш				-120.6980	58 °	-120.698058 °	
DWR ID DWR_NA0010_49_t _ 2012_17							
Action/Comments							
Inspector	Inspector Comments: No visible undermining along the structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Security Fencing		37.21978	38 °	° 37.219788		
item				-120.6980	58	° -120.698058	
DWR ID	DWR_NA0	010_49_t _ 201	2_18				
Action/Comments							
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels Start			End			
Item	Closure Structures			37.2197	88 °	37.219788	0
item				-120.6980	58 °	-120.698058	0
DWR ID	DWR_NA0	010_49_t _ 201	2_19				
		Action/	Comme	nts			
Inspector (Comments	: No visible d	amage o	r problems	with	structure.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	GPS Latitude/Longitude					
Calegory	Channels			Start		End	
Item	Trash Rakes			37.21978	88 °	37.219788 °	
пеш				-120.69805	8 °	-120.698058 °	
DWR ID	DWR ID DWR_NA0010_49_t _ 2012_20						
Action/Comments							
Inspector (Comments	: Item does n	ot exist o	on this struc	ture		

No Photos

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Other Metallic Items		37.2197	88 °	37.219788	0	
пеш				-120.6980	58 °	-120.698058	0
DWR ID	DWR_NA0	010_49_t _ 201	2_21				
Action/Comments							
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	М	Issue No.		22		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels	Channels				End		
Item	Monolith .	Monolith Joints			88°	37.219788 °		
пеш				-120.69805	58 °	-120.698058 °		
DWR ID	DWR_NA0	010_49_t _ 201	2_22					
Action/Comments								
Inspector Comments: Left & right wing walls joints have been repaired, but still unstable.								



Photo 1 of 2: ST_2014_NA0010_49_22_20140710_00011.jpg

Looking at repaired right wing wall on upstream side of structure.

Location LS : Land Side WS: Water Side CR : Crown

* Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No.		22 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	Lined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End
Item	Monolith .	Monolith Joints			88 °	37.219788 °
пеш				-120.6980	58 °	-120.698058 °
DWR ID	DWR ID DWR_NA0010_49_t _ 2012_22					
Action/Comments						
Inspector (Inspector Comments: Left & right wing walls joints have been repaired,					

but still unstable.



Looking at repaired left wing wall on upstream side of structure. Summer

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined				GPS La	titud	e/Longitude
Calegory	Channels	nannels				End
Item	Safety			37.2197	88 °	37.219788 °
item				-120.6980	58 °	-120.698058 °
DWR ID	DWR_NA0	010_49_t _ 201	2_23			
Action/Comments						
Inspector Comments: No visible hazards.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Operation & Maintenance Manual			37.2197	88 °	37.219788 °
				-120.6980	58 °	-120.698058 °
DWR ID	DWR_NA0010_49_t _ 2013_24					
Action/Comments						
Inspector Comments: The manual is on file in the office.						

No Photos

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Owens Creek Overflow Structure	

Structure Rating	Α
Date of Inspection	08/05/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		08/05/2014 08/05/2014	Richard Willoughby

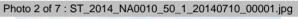
LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Photo Documentation			37.2057	37 °	37.205787 °
пеш	item			-120.6968	38 °	-120.696838 °
DWR ID DWR_NA0010_50_t _ 2012_1						
Action/Comments						

Inspector Comments: The structure appears to be maintained and able to perform as intended.



Looking at outlet side of structure. 2014

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Looking at oulet side of structure. 2013

Photo 3 of 7: ST_2014_NA0010_50_1_20140813_00006.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking west at upstream side of sturcture. 2014

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Itom	Photo Documentation			37.2057	87 °	37.205787 °	
пеш				-120.6968	38 °	-120.696838 °	
DWR ID	DWR ID DWR_NA0010_50_t _ 2012_1						
Action/Comments							
Inspector Comments: The structure appears to be maintained and able							

Photo 4 of 7: ST_2014_NA0010_50_1_20140710_00002.jpg



Looking west at upstream side of structure. 2013

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 7: ST_2014_NA0010_50_1_20140813_00007.jpg



Looking east at upstream side of structure. 2014

Photo 6 of 7: ST_2014_NA0010_50_1_20140813_00010.jpg

LM Star	t 0.00	Rating **	N	Issue No.	1 (cont)
IM End	0.00	Issue Type +	Ma	Location *	



Looking at west at downstream side of structure.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Page 3 of 10

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Category	Channels			Start		End
Item	Photo Documentation			37.2057	87 °	37.205787 °
item				-120.6968	38 °	-120.696838 °
DWR ID DWR_NA0010_50_t _ 2012_1						
Action/Comments						
Inspector Comments: The structure appears to be maintained and able						

Photo 7 of 7: ST_2014_NA0010_50_1_20140813_00009.jpg

Looking north at outlet (downstream) of structure.

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined				GPS La	titud	le/Longitude
Category	Channels			Start		End
Item	Vegetation & Obstructions			37.2057	37 °	37.205787 °
item				-120.6968	38 °	-120.696838 °
DWR ID	DWR_NA0	010_50_t _ 201	2_2			
Action/Comments						
Inspector (Comments	: Minor vegeta	ation on	downstrean	n sic	de.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item	Shoaling / Sedimentation			37.20578	37 °	37.205787	0
пеш				-120.69683	38 °	-120.696838	0
DWR ID	DWR_NA0	010_50_t _ 201	2_3				
		Action/	Comme	nts			
Inspector (structure.	Comments	: No sedimen	tation bu	ıild-up or sh	oali	ng near the	

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Erosion / Bank Caving			37.205787 °		37.205787 °
пеш				-120.69683	88 °	-120.696838 °
DWR ID	DWR ID DWR_NA0010_50_t _ 2012_4					
Action/Comments						
Inspector (Comments	: No erosion r	near the	structure.		

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Revetments			37.20578	37 °	37.205787 °
пеш				-120.69683	38 °	-120.696838 °
DWR ID	DWR_NA0	010_50_t _ 201	2_5			
Action/Comments						
Inspector (Comments	: No change t	to the rev	etment on	outl	et side.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	titud	le/Longitude
Calegory	Channels			Start		End
Item	Encroachments			37.2057	87 °	37.205787 °
item				-120.6968	38 °	-120.696838 °
DWR ID	DWR_NA0	010_50_t _ 201	2_6			
Action/Comments						
Inspector (Comments	: No encroach	nments r	near the stru	ıctuı	re.

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	GPS Latitude/Longitude					
Calegory	Channels					End	
Item	Culverts: Inlets / Outlets			37.205787 °		37.205787 °	
item				-120.6968	38 °	-120.696838 °	
DWR ID	DWR_NA0	010_50_t _ 201	2_7				
Action/Comments							
Inspector Comments: No debris visible to block culverts.							



Looking southwest at oulet of structure. (Summer 2012)

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	tituc	le/Longitude	
Category	Channels			Start		End
Item	Culverts: Breaks / Holes /		s/	37.20578	7 °	37.205787 °
пеш	Cracks			-120.69683	8 °	-120.696838 °
DWR ID	DWR_NA0	010_50_t _ 201	2_8			
Action/Comments						
Inspector Comments: No visible damage to culverts.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS La	titud	le/Longitude		
Category	Channels			Start		End	
Item	Metal Pipes			37.2057	37 °	37.205787	0
пеш				-120.6968	38 °	-120.696838	0
DWR ID	DWR_NA0	010_50_t _ 201	2_9				
Action/Comments							
Inspector Comments: Item does not exist on this structure.							

No Photos

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	s & Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels				End	
Item	Trash Racks			37.20578	7 °	37.205787 °
item				-120.69683	8 °	-120.696838 °
DWR ID	DWR_NA0	010_50_t _ 201	2_10			
Action/Comments						
Inspector (Comments	: Item does n	ot exist c	n this struct	ure	

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Flap Gates			37.2057	87 °	37.205787	0
item				-120.6968	38 °	-120.696838	۰
DWR ID	DWR_NA0	010_50_t _ 201	2_11				
	Action/Comments						
Inspector (Comments	: Item does n	ot exist o	on this struc	ture).	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		12					
LM End	0.00	Issue Type +	Ma	Location *							
Structures & Concrete Lined			GPS Latitude/Longitude								
Calegory	Channels			Start		End					
Item	Sluice/Slide Gates		37.2057	87 °	37.205787	0					
item				-120.6968	38 °	-120.696838	0				
DWR ID	DWR_NA0	010_50_t _ 201	2_12								
Action/Comments											
Inspector (Comments	: No visible da	amage to	slide gate	s.	Inspector Comments: No visible damage to slide gates.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels					End
Item	Electric G	Gate Operators		37.205787	, 0	37.205787 °
пеш				-120.696838	°	-120.696838 °
DWR ID	DWR_NA0	010_50_t _ 201	2_13			
Action/Comments						
Inspector (Comments	: Item does n	ot exist c	n this structu	ıre	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category Changels			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Manual G	ate Operators	te Operators		37 °	37.205787	
Item				-120.69683	88 °	-120.696838	
DWR ID	DWR_NA0	010_50_t _ 201	2_14				
		Action/	Comme	nts			
Inspector condition.	Comments	: Manual gate	es appea	rs to be in g	000	l working	



Looking east at manual gate on upstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Category		s & Concrete I	Lined	GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Concrete Surfaces			37.205787 °		37.205787 °
item				-120.6968	38 °	-120.696838 °
DWR ID	DWR_NA0	010_50_t _ 201	2_15			
Action/Comments						
Inspector (Comments	: Small cracki	ing on he	eadwall.		



Looking at cracking on headwall.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Concrete	oncrete Tilting / Settlement			7 °	37.205787 °
item				-120.69683	8 °	-120.696838 °
DWR ID DWR_NA0010_50_t _ 2012_16						
Action/Comments						
Inspector (Comments	: No visible m	ovemen	t.		

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Concrete Foundations			37.2057	87 °	37.205787	0
Item				-120.6968	38 °	-120.696838	0
DWR ID	DWR_NA0	010_50_t _ 201	2_17				
	Action/Comments						
Inspector (Comments	: No visible u	ndermini	ng along th	e sti	urcture.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Security Fencing		37.2057	37 °	37.205787	0	
пеш				-120.6968	38 °	-120.696838	0
DWR ID	DWR_NA0	010_50_t _ 201	2_18				
Action/Comments							
Inspector (Comments	: Item does n	ot exist o	on this struc	ture).	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Closure Structures			37.20578	37 °	37.205787 °
Item				-120.69683	88°	-120.696838 °
DWR ID	DWR ID DWR_NA0010_50_t _ 2012_19					
	Action/Comments					
Inspector (Comments	: Item does n	ot exist o	on this struc	ture	

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Channels		Start		End			
Item	Trash Rakes		37.2057	87 °	37.205787	0	
item				-120.696838 °		-120.696838	۰
DWR ID	DWR_NA0	010_50_t _ 201	2_20				
Action/Comments							
Inspector Comments: Item does not exist on this structure.							

No Photos

		D-+: **		Innua Na			
LM Start	0.00	Rating **	Α	Issue No.	21		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Category			Start		End	
Item	Other Metallic Items		37.205787 °		37.205787 °		
item			-120.6968	38 °	-120.696838 °		
DWR ID	DWR ID DWR_NA0010_50_t _ 2012_21						
Action/Comments							
Inspector Comments: No visible corrosion.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	titud	e/Longitude		
Calegory	Category Channels		Start		End		
Itom	Monolith Joints			37.205787 °		37.205787 °	
пеш				-120.69683	88 °	-120.696838 °	
DWR ID	DWR ID DWR_NA0010_50_t _ 2012_22						
Action/Comments							
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels		GPS Latitude/Longitude					
					Start		
Item	Safety			37.205787 °		37.205787	0
item				-120.696838 °		-120.696838	0
DWR ID	DWR_NA0	010_50_t _ 201	2_23				
		Action/	'Comme	nts			
Inspector (Comments	: No visible h	azards.				

No Photos

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Operation & Maintenance		37.205787 °		37.205787 °		
пеш	Manual			-120.696838 °		-120.696838 °	
DWR ID	DWR ID DWR_NA0010_50_t _ 2013_24						
Action/Comments							
Inspector Comments: The manual is on file in the office.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
San Joaquin River And Chowchilla Canal Bypass Control Structure	

Structure Rating	Α
Date of Inspection	08/06/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Photo Do	Photo Documentation			83 °	36.773983 °	
пеш				-120.284067 °		-120.284067 °	
DWR ID	DWR_NA0	010_45_t _ 201	2_1				
Action/Comments							

Inspector Comments: The structure appears to maintained and able preformed as designed. To eliminate the vibration the gates must remain all the way open or closed.



Looking southeast at downstream side of Chowchilla Bypass Structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking south at top of Chowchilla Bypass Structure. Photo 3 of 6: ST_2014_NA0010_45_1_20140814_00016.jpg

Rating ** LM Start 0.00 Issue No. 1 (cont) Issue Type + Location * 0.00 Ма LM End



Looking south at upstream side of Chowchilla Bypass structure.

Location LS : Land Side WS: Water Side $\mathsf{CR}:\mathsf{Crown}$

Rating

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En : Enforcement

: Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Calegory	Channels			Start		End
Item	Photo Documentation		36.7739	83 °	36.773983	
item				-120.2840	67 °	-120.284067
DWR ID	DWR_NA0	010_45_t _ 201	2_1			
Action/Comments						
Inspector Comments: The structure appears to maintained and able						

Photo 4 of 6: ST_2014_NA0010_45_1_20140814_00017.jpg



Looking northwest at upstream side of San Joaquin River Structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 6: ST_2014_NA0010_45_1_20140814_00018.jpg



Looking east at top of San Joaquin River structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
I M End	0.00	Issue Type +	Ma	Location *	





Looking west at downstream side of San Joaquin structure.

Location LS : Land Side WS: Water Side Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *		
Category Channels				GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Vegetation & Obstructions			36.77398	33 °	36.773983 °
пеш				-120.28406	67 °	-120.284067 °
DWR ID	DWR_NA0	010_45_t _ 201	2_2			
Action/Comments						
Inspector (Comments	: No vegetation	on or obs	struction visi	ble	to impede

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	annels			Start		
Item	Shoaling /	Shoaling / Sedimentation		36.7739	83 °	36.773983	0
пеш				-120.2840	67 °	-120.284067	0
DWR ID	DWR_NA0	010_45_t _ 201	2_3				
		Action/	Comme	nts			
Inspector (Comments	: No sedimen	tation bu	ild-up or sh	oali	ng visible.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atituc	de/Longitude	
Calegory	Channels			Start		End	
Item	Erosion / Bank Caving		36.773983 °		36.773983	0	
item				-120.2840	67 °	-120.284067	0
DWR ID	DWR_NA0	010_45_t _ 201	2_4				
		Action/	Comme	nts			
Inspector (Comments	: No visible e	rosion ne	ear structure	€.		

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Revetments			36.7739	83 °	36.773983 °	
пеш				-120.2840	67 °	-120.284067 °	
DWR ID	DWR_NA0	010_45_t _ 201	2_5				
Action/Comments							
Inspector Comments: All revetment appears to be properly maintained.							



Looking southeast at revetment on downstream side of Chowchilla Control Structure.

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Encroachments			36.7739	83 °	36.773983 °	
item				-120.2840	67 °	-120.284067 °	
DWR ID	DWR_NA0	010_45_t _ 201	2_6				
Action/Comments							
Inspector Comments: No visible encroachments present.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Odlogory				Start		End
Item	Culverts: Inlets / Outlets		36.77398	33 °	36.773983 °	
item				-120.28406	67 °	-120.284067 °
DWR ID	DWR_NA0	010_45_t _ 201	2_7			
Action/Comments						
Inspector	Comments	: No visible de	ebris blo	cking culver	ts.	

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	titud	le/Longitude	
Calegory	Category Channels			Start		End	
Item	Culverts: Breaks / Holes /			36.77398	33 °	36.773983 °	
пеш	Cracks			-120.2840	67 °	-120.284067 °	
DWR ID	DWR ID DWR_NA0010_45_t _ 2012_8						
Action/Comments							
Inspector Comments: No visible damage to culverts.							

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Metal Pipes			36.7739	83 °	36.773983	0
пеш				-120.2840	67 °	-120.284067	c
DWR ID	DWR_NA0	010_45_t _ 201	2_9				
Action/Comments							
Inspector Comments: Item does not exist on this structure							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	le/Longitude	
Category	Channels			Start		End	
Item	Trash Racks			36.7739	83 °	36.773983 °	
item				-120.2840	67 °	-120.284067 °	
DWR ID	DWR_NA0	010_45_t _ 201	2_10				
Action/Comments							
Inspector Comments: Trash racks appears to be properly maintained.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Flap Gates			36.7739	83 °	36.773983 °	
пеш				-120.2840	67 °	-120.284067 °	
DWR ID	DWR ID DWR_NA0010_45_t _ 2012_11						
Action/Comments							
Inspector	Inspector Comments: This item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		12
LIVI Start	0.00	rtating		10000 110.		12
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS La	tituc	le/Longitude	
Category	Channels			Start		End
Item	Sluice/Slide Gates			36.77398	33°	36.773983 °
Item				-120.28406	67°	-120.284067 °
DWR ID	DWR_NA0	010_45_t _ 201	2_12			
Action/Comments						
Inspector (Inspector Comments: Gates are good operating condition.					



Looking east at control gate on Chowchilla Bypass Structure.

 LM Start
 0.00
 Rating **
 A
 Issue No.
 12 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *



Looking south at control gate on San Joaquin River structure.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

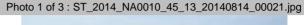
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	tituc	le/Longitude	
Category	Channels			Start		End	
Item	Electric G	Electric Gate Operators			33 °	36.773983 °	
item				-120.28406	67 °	-120.284067 °	
DWR ID	DWR ID DWR_NA0010_45_t _ 2012_13						
Action/Comments							
Inspector (Inspector Comments: Gates appears to be in proper working condition.						





Looking northwest at gate operators on Chowchilla Bypass structure.

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)
I M End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3: ST_2014_NA0010_45_13_20140814_00022.jpg



Looking west at gate operator on Chowchilla Bypass structure. Photo 3 of 3: ST_2014_NA0010_45_13_20140814_00023.jpg

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking north at gate operator on San Joaquin River structure.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

or & Maintain En : Enforcement

Page 8 of 11

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	14	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Manual Gate Operators			36.77398	33 °	36.773983 °
пеш				-120.28406	67 °	-120.284067 °
DWR ID	DWR ID DWR_NA0010_45_t _ 2012_14					
Action/Comments						
Inspector (Inspector Comments: Manual gate operators appears to be in proper					

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels		Start		End			
Itom	Concrete Surfaces			36.77398	33 °	36.773983 °	
item				-120.28406	67°	-120.284067 °	
DWR ID	DWR_NA0	010_45_t _ 201	2_15				
	Action/Comments						
Inspector (Comments	Inspector Comments: No visible damage to concrete surface.					

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels				Start		End	
Concrete Tilting / Settlement		ment	36.7739	83 °	36.773983	٥	
item				-120.2840	67 °	-120.284067	٥
DWR ID	DWR_NA0	010_45_t _ 201	2_16				
		Action/	Comme	nts			
Inspector (Comments	: No visible m	ovemen	t along this	stru	icture.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		17		
LM End	0.00	Issue Type +	Ma	Location *				
Catagory	Structures & Concrete Lined				GPS Latitude/Longitude			
Channels			Start		End			
Item	Concrete Foundations			36.77398	33 °	36.773983 °		
item				-120.28406	67 °	-120.284067 °		
DWR ID	DWR ID DWR_NA0010_45_t _ 2012_17							
	Action/Comments							
Inspector	Inspector Comments: No visible undermining present.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category Changels				GPS Latitude/Longitude			
Channels			Start		End		
Item	Security Fencing			36.77398	33 °	36.773983 °	
item					67 °	-120.284067 °	
DWR ID	DWR_NA0	010_45_t _ 201	2_18				
Action/Comments							
Inspector (Comments	: Fencing app	ears to b	oe properly	maiı	ntained.	



Looking north at utility shed and security fencing around structure.

LM Start	0.00	Rating **	N	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Closure Structures			36.77398	33 °	36.773983 °
пеш				-120.28406	67°	-120.284067 °
DWR ID	DWR_NA0	010_45_t _ 201	2_19			
	Action/Comments					
Inspector (Inspector Comments: Item does not exist on this structure.					

No Photos

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels				GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Trash Ral	kes		36.77398	3°	36.773983 °	
пеш				-120.28406	7 °	-120.284067 °	
DWR ID	DWR_NA0	_NA0010_45_t _ 2012_20					
	Action/Comments						

Inspector Comments: No mechanical trash rake exists on this structure. District maintains a manual trash rake to remove trash.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Other Metallic Items		36.7739	83 °	36.773983	0		
Item				-120.2840	67 °	-120.284067	0
DWR ID	DWR_NA0	010_45_t _ 201	2_21				
	Action/Comments						
Inspector (Comments	: No visible co	orrosion.				

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Category Changele			GPS Latitude/Longitude				
Channel				Start		End	
Monolith Joints			36.7739	83 °	36.773983	0	
item				-120.2840	67 °	-120.284067	0
DWR ID	DWR_NA0	010_45_t _ 201	2_22				
		Action/	Comme	nts			
Inspector (Comments	: All joints app	pears to	be in good	con	dition.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		08/06/2014 08/06/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Safety				36.7739	83 °	36.773983 °	
item			-120.2840	67 °	-120.284067 °		
DWR ID	DWR_NA0	010_45_t _ 201	2_23				
Action/Comments							
Inspector (Comments	: No safety ha	azards p	resent.			



Looking south at utility building.

LM Start	0.00	Rating **	Α	Issue No.	24		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
ltom	Item Operation & Maintenance Manual			36.773983 °		36.773983 °	
item				-120.2840	67 °	-120.284067 °	
DWR ID	DWR ID DWR_NA0010_45_t _ 2013_24						
Action/Comments							
Inspector Comments: The manual is on file in the office.							

No Photos

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

Lower San Joaquin Levee District

Structure	Structure
San Joaquin River Structure And Sand Slough Structure	San Joaquin River Structure And Sand Slough Structure

Structure Rating	М
Date of Inspection	08/05/2014
DWR Inspector	Richard Willoughby
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Itom	Item Photo Documentation			37.1123	37 °	37.112337 °
пеш				-120.5895	43 °	-120.589543 °
DWR ID	DWR_NA0010_47_t _ 2012_1					
Action/Comments						

Inspector Comments: San Joaquin structure has some minor structure damage. The Sand Slough structure appears to be maintained and able to function as designed.

Photo 1 of 5 : ST_2014_NA0010_47_1_20140814_00011.jpg



Looking south at overview of structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 5 : $ST_2014_NA0010_47_1_20140814_00012.jpg$



Looking west at downstream side of structure.

 LM Start
 0.00
 Rating **
 N
 Issue No.
 1 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *



Looking east at upstream side of structure.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Photo Documentation			37.112337 °		37.112337 °	
item				-120.5895	43 °	-120.589543 °
DWR ID DWR_NA0010_47_t _ 2012_1						
Action/Comments						
Inspector Comments: San Joaquin structure has some minor structure						

Photo 4 of 5: ST_2014_NA0010_47_1_20140814_00014.jpg



Looking at downstream side of Sand Slough structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Looking west at upstream side of Sand Slough structure.

LM Start	0.00	Rating **	М	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Vegetation & Obstructions			ons	37.112337 °		37.112337 °	
пеш				-120.58954	13 °	-120.589543 °	
DWR ID DWR_NA0010_47_t _ 2012_2							
Action/Comments							
Inspector Comments: Minor vegetation or obstructions appears to							

No Photos

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Itom	Item Shoaling / Sedimentation			37.11233	7 °	37.112337 °
item				-120.58954	3°	-120.589543 °
DWR ID DWR_NA0010_47_t _ 2012_3						
Action/Comments						
Inspector Comments: No visible sedimentation or shoaling present.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Erosion / Bank Caving		37.1123	37 °	37.112337	0	
Item				-120.5895	43 °	-120.589543	0
DWR ID	DWR_NA0	010_47_t _ 201	2_4				
	Action/Comments						
Inspector (Comments	: No visible e	rosion ne	ear the struc	cture	Э.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Revetmer	nts	37.11233	87 °	37.112337 °		
item				-120.58954	ı3°	-120.589543 °	
DWR ID	DWR_NA0	010_47_t _ 201	2_5				
Action/Comments							
Inspector (Comments	: Revetment	appears	to be prope	ly r	maintained.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	& Concrete I	GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Encroach	ments		37.11233	37 °	37.112337 °
пеш				-120.58954	13 °	-120.589543 °
DWR ID	DWR_NA0	010_47_t _ 201	2_6			
Action/Comments						
Inspector (Comments	: No encroach	nments r	ear the stru	ictui	re.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	GPS La	titud	le/Longitude		
Calegory	Channels	Channels				End
Item	Culverts:	Inlets / Outlets	S	37.11233	37 °	37.112337 °
пеш				-120.58954	13 °	-120.589543 °
DWR ID	DWR_NA0	010_47_t _ 201	2_7			
Action/Comments						
Inspector (Comments	: There is mir	or veget	ation in inle	t cu	lvert.

Photo 1 of 1: ST_2014_NA0010_47_7_20140814_00016.jpg

Looking south at inlet side of Sand Slough structure.

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ма	Location *			
Category	& Concrete I	Lined	GPS La	atitud	e/Longitude		
Calegory	Channels		Start		End		
Item		Breaks / Hole	s/	37.1123	37 °	37.112337 °	
item	Cracks			-120.5895	43 °	-120.589543 °	
DWR ID	DWR_NA0	010_47_t _ 201	2_8				
Action/Comments							
Inspector (Comments	: No visible da	amage to	culverts.			

No Photos

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	Lined	GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Metal Pipes			37.11233	37 °	37.112337 °	
пеш				-120.58954	13 °	-120.589543 °	
DWR ID	DWR_NA0	010_47_t _ 201	2_9				
Action/Comments							
Inspector	Comments	: Item does n	ot exist c	on this struc	ture		

No Photos

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels		Start			End	
Item	Trash Racks		37.1123	37 °	37.112337	0	
пеш				-120.5895	43 °	-120.589543	0
DWR ID	DWR_NA0	010_47_t _ 201	2_10				
	Action/Comments						
Inspector (Comments	: Item does n	ot exist o	on this struc	ture	;	

No Photos

LM Start	0.00	Rating **	N	Issue No.		11		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			Lined	GPS La	tituc	le/Longitude		
Category	Channels			Start		Start		End
Item	Flap Gates			37.1123	37 °	37.112337 °		
пеш				-120.5895	43 °	-120.589543 °		
DWR ID	DWR_NA0	010_47_t _ 201	2_11					
	Action/Comments							
Inspector (Comments	: Item does n	ot exist o	on this struc	ture	•		

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Sluice/Slice	de Gates		37.11233	37 °	37.112337 °
item				-120.58954	13 °	-120.589543 °
DWR ID DWR_NA0010_47_t _ 2012_12						
Action/Comments						
Inspector (Comments	· Gates anne	ar to he i	n good work	ring	condition

Inspector Comments: Gates appear to be in good working condition. Medium sediment & vegetation in front of gates.



Looking northeast at downstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



Looking east at gates on downstream side of Sand Slough structure.,

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ма	Location *			
Catagoni	Structures & Concrete Lined			GPS La	tituc	le/Longitude	
Category Channels			Start		End		
Item	Electric Gate Operators			37.11233	37 °	37.112337 °	
пеш				-120.58954	13 °	-120.589543 °	
DWR ID	DWR_NA0	010_47_t _ 201	4_13				
	Action/Comments						
Inspector (Inspector Comments: Item does not exist on this structure						

No Photos

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Manual G	Manual Gate Operators			87 °	37.112337 °	
пеш				-120.58954	ı3°	-120.589543 °	
DWR ID	DWR_NA0010_47_t _ 2012_14						
Action/Comments							

Inspector Comments: All manual gates appears to be in proper working condition. District caps off manual operation stem to secure gates. Sediment appears to effect function of gates.



Looking southeast at manual gate operators on upstream side of structure.

LM Start	0.00	Rating **	М	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
ltom	Concrete	Surfaces		37.11233	37 °	37.112337 °	
пеш	Item		-120.58954	43 °	-120.589543 °		
DWR ID	DWR_NA0010_47_t _ 2012_15						
Action/Comments							

Inspector Comments: Chips on SJ structure surface from gun shots; structure is being used for target practice. Cracking on Sand Slough structure outlet side on left and right corner. Minor cracking on Sand Slough structure.



Looking south at surface damage on San Joaquin structure.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable M : Minimally Acceptable N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	M Issue No. 15 (con			15 (cont)
LM End	0.00	Issue Type +	Ма	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Concrete Surfaces			37.11233	37 °	37.112337 °
пеш				-120.58954	13 °	-120.589543 °
DWR ID	DWR_NA0010_47_t _ 2012_15					
Action/Comments						

Inspector Comments: Chips on SJ structure surface from gun shots; structure is being used for target practice. Cracking on Sand Slough structure outlet side on left and right corner. Minor cracking on Sand Slough structure.

Photo 2 of 2: ST_2014_NA0010_47_15_20140710_00009.jpg



Looking south at chips on left wing wall on downstream side of structure.

LM Start	0.00 Rating ** A			Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	titud	le/Longitude	
Calegory	Channels			Start		End
Item	Concrete Tilting / Settlement		37.11233	87 °	37.112337 °	
пеш				-120.58954	ı3°	-120.589543 °
DWR ID	DWR_NA0	010_47_t _ 201	2_16			
Action/Comments						
Inspector (Comments	: No visible m	ovemen	t along this	stru	cture.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Concrete Foundations			37.112337 °		37.112337	0
пеш				-120.5895	43 °	-120.589543	0
DWR ID	DWR_NA0	010_47_t _ 201	2_17				
Action/Comments							
Inspector (Inspector Comments: No visible undermining present or near this						

No Photos

Location LS : Land Side WS: Water Side CR : Crown

structure.

* Rating

A : Acceptable M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	N	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS La	tituc	le/Longitude		
			Start		End		
Item	Security Fencing			37.11233	7 °	37.112337 °	
item				-120.58954	3°	-120.589543 °	
DWR ID	DWR_NA0	010_47_t _ 201	2_18				
	Action/Comments						
Inspector	Comments	: Item does n	ot exist o	on this struct	ure		

No Photos

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude	
Calegory				Start		End	
Closure Structures		37.1123	37 °	37.112337	٥		
пеш				-120.5895	43 °	-120.589543	0
DWR ID	DWR_NA0	010_47_t _ 201	2_19				
	Action/Comments						
Inspector (: San Joaquir	River S	tructure up	strea	am side	

No Photos

LM Start	0.00	Rating **	N	Issue No.		20
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels				Start		End
Item	Trash Rakes			37.11233	37 °	37.112337 °
item				-120.58954	13 °	-120.589543 °
DWR ID	DWR_NA0010_47_t _ 2012_20					
Action/Comments						
Inspector Comments: Item does not exist on this structure						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		21
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End	
Item	Other Metallic Items			37.11233	37 °	37.112337 °
item				-120.58954	13 °	-120.589543 °
DWR ID	DWR_NA0010_47_t _ 2012_21					
Action/Comments						
Inspector Comments: No visible corrosion.						

No Photos

LM Start	0.00	Rating **	М	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Monolith Joints			37.11233	37 °	37.112337 °	
item				-120.589543 °		-120.589543 °	
DWR ID	DWR_NA0010_47_t _ 2012_22						
Action/Comments							
Increases Commenter Medium size expelsing an outlet side on right							

Inspector Comments: Medium size cracking on outlet side on right corner should be repaired.

Photo 1 of 2 : ST_2014_NA0010_47_22_20140814_00019.jpg



Looking west at damage on left corner of Sand Slough structure.

 LM Start
 0.00
 Rating **
 M
 Issue No.
 22 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *



Looking northwest at cracking on left corner joint.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		08/05/2014 08/05/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	nannels			art End	
Item	Safety			37.11233	87 °	37.112337 °
item				-120.58954	ı3°	-120.589543 °
DWR ID	DWR_NA0010_47_t _ 2012_23					
Action/Comments						
Inspector Comments: No visible safety hazards.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		24		
LM End	0.00	Issue Type +	Ма	Location *				
Category			Concrete Lined		GPS Latitude/Longitude			
Calegory	Channels			Start		End		
Item	Operation & Maintenance Manual		37.1123	37 °	37.112337	0		
пеш			-120.5895	43 °	-120.589543	0		
DWR ID	ID DWR_NA0010_47_t _ 2013_24							
Action/Comments								
Inspector Comments: The manual is on file in the office.								
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No Photos